

# QAD Enterprise Applications 2014 Combined Release Notes

Updated April 2014

The March 2014 release of QAD Enterprise Applications includes new features and fixes in Enterprise Edition, as well as releases of several QAD add-on products.

This document compiles Release Notes from Enterprise Edition and the add-on products.

For the latest documentation on QAD products, see the Document Library:

<http://www.qad.com/documentlibrary>

The library includes historical release notes from earlier versions.

Release notes are included for the following products:

<b><i>QAD Enterprise Edition 2014</i></b>	<b>2</b>
<b><i>QAD .NET User Interface</i></b>	<b>23</b>
<b><i>QAD Business Intelligence 3.10</i></b>	<b>32</b>
<b><i>QAD Configurator 5.5</i></b>	<b>38</b>
<b><i>QAD Customer Management Reports 1.6</i></b>	<b>41</b>
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## QAD Enterprise Edition 2014

QAD Enterprise Applications 2014 – Enterprise Edition (QAD 2014 Enterprise Edition, or QAD 2014 EE) includes product changes made between August 26, 2013 and February 27, 2014.

This release contains new features and enhancements as well as fixes that resulted from maintenance activities. For detailed information about individual fixes, see the Product Changes & Advisories area on QAD's Online Support Center:

[http://support.qad.com/product\\_changes/](http://support.qad.com/product_changes/)

The Release Notes describe changes in the following areas:

- Enterprise Financials Enhancements
- Internationalization Enhancements
- Operational Enhancements
- Performance Notes
- Installation and Conversion Updates

**Note** QAD 2014 EE is supported by the latest release of the QAD .NET User Interface. For details, see *QAD .NET User Interface Release Notes*.

Because of the new product direction with the Enterprise Edition, some features that existed in earlier versions of the core application are no longer available. Others are planned for future development. See “Additional System Changes and Limitations” on page 19 for information.

### Enterprise Financials Enhancements

#### Financial Report Writer

There have been several enhancements to Financial Report Writer.

##### Report Tree Maintenance

You can now build a complete report tree in Report Tree Maintenance. You can create new analysis codes on the fly and modify existing analysis codes in a tree. These new capabilities are secured by the existing menu access security for Report Analysis Code Create and Report Analysis Code Modify.

You can prepare a complete report structure in Excel and load it directly from the Excel file on your client PC into Report Tree Maintenance. This feature allows you to create a complete new tree and its underlying analysis codes in a few seconds. You can also use Excel integration to update an existing tree and the underlying analysis codes. The Excel template can have a variable number of Excel columns, depending on the number of levels needed in the hierarchy. The number of levels in Excel integration has been increased from 12 to 99.

##### Financial Report Cube Generate

The Report Cube Generate program has been replaced by a program with a new user interface. During the cube generation process, detailed feedback on the progress of the cube generation process is displayed. The complete generation process happens on the server, so the process is also faster.

## Report Column Group

A composed column type is available in the definition of columns for a report. You can now create a composed column that contains variable data, depending on the row or section in the report. This column type is useful when you need a report with ratios or percentage calculations that vary throughout the report sections.

The new Fixed period type allows you to define a report column with a fixed period linked to it and enter a fixed period range for the column. The report prints the amount for that period, regardless of the period entered on the report selection. For example, if you want to create a report showing the 12 periods of the year in 12 columns, you can use fixed period type for each of the 12 months. In the same report, you can still have a Year To Date (YTD) column. Only the YTD column corresponds with the period selection that you enter when you run the report. The other 12 columns always show the 12 months. Fixed periods that fall beyond the period selected on the report selection page are automatically hidden.

Columns of type Activity contain the activity for the period range entered as the selection when running a report. To have a column on the same report that only shows the activity in a certain period or current quarter, define a column as YTD activity and the column automatically contains the activity since the start of the year, up to and including the To period that you select when you run the report.

You can now create an analysis code containing one special GL account—the System Type GL account Result Of Current Year. This account was already used in other report programs but can now also be used in Financial Report Writer balance sheets. The analysis code must only contain this single GL account linked as a distinct element.

You can also configure how zeros are suppressed on row and on column level. You can control how amounts are presented; with a currency sign, percentage sign, or currency code. You can use a color to emphasize negative amounts.

## Report Master

In Report Master, there are also several new report output features.

The Zero Suppress option has four settings.

- None: All nodes are displayed.
- Show all COA codes: All COA codes of the COA Type (1) selection criteria you select in Financial Report Run are displayed in the report, even those with zero amounts.
- Suppress zero on all nodes: Any nodes with a zero amount are not displayed.
- Suppress zero on leaf nodes: Any leaf nodes with a zero amount are not displayed.

The Levels to Print option allows you to create reports with variable detail from the same report tree. For example, you create an income statement report with 12 levels and much detail. You want to present an income statement to the management with only the totals and subtotals on the higher levels of the hierarchy. In this case, create a Report Master code that uses the same detailed report tree, but specify, for example, 4 in Levels to Print. The result is a summarized report only showing the first 4 levels of the tree. You can enter any number in the Levels to Print field. When you enter 0, the complete tree is printed. The same thing happens when you enter a number that is higher than the number of levels in the report tree.

Report Amount Scale enables you to specify how you want to display the amounts in the report. You can display the amounts in full, in thousands, or in millions. For columns you do not want to divide by 1,000 or 1,000,000, such as percentage amounts, simply mark the column as Always Full Amount in the Column Group details.

The Number of Decimals field enables you to select the number of decimals you want in the report. You can have between zero and three decimals. When the number of decimals is less than the precision of the amounts in the report cube, the amounts are rounded with the standard rounding method.

### Financial Report Run

In previous versions of Financial Report Writer, you could explode the report output with the details of one given COA dimension. It is now possible to explode the report for three different COA Types; for example, first by GL account, then by sub-account, and then by cost center. You immediately have a much more detailed report without having to set up a lot of detailed analysis codes.

The three dimensions can be any combination of Domain, Entity, Layer, Intercompany code, GL, Sub-Account, Cost Center, Project, SAF1 - SAF10, Daybook, and Currency. However, the dimensions must be available in the cube data. Domain, Entity, Layer, Intercompany, and GL are always available in a cube but the availability of other dimensions depends on the cube definition.

### Updated Programs for Financial Report Writer

**Table 1**

Updated Programs for Financial Report Writer

Menu	Label	Program
25.16.14	Report Tree Maintenance	BReportTree.Create
25.16.12.1	Report Column Group Create	BFRWColumnGroup.Create
25.16.12.2	Report Column Group Modify	BFRWColumnGroup.Modify
25.16.11.1	Report Master Create	BFRWReportMaster.Create
25.16.11.2	Report Master Modify	BFRWReportMaster.Modify
25.16.20	Financial Report Run	c1:QAD_ReportTree

### Converted Program for Financial Report Writer

The following program has been converted to the Business Logic Foundation framework.

**Table 2**

Updated Programs for Financial Report Writer

Menu	Label	Program
25.16.3	Financial Report Cube Generate	BFRWCube.CubeGenerate

### Obsolete Program for Financial Report Writer

As a result of the conversion to BLF, the following program is obsolete.

**Table 3**

Obsolete Programs for Financial Report Writer

Menu	Label	Program
25.16.3	Report Cube Generate	frcbgen.p

### Journal Entry Excel Integration

Previously, you could only use Journal Entry Cross Co Excel Integration (25.13.1.10) to post cross-company journal entries defined in an Excel spreadsheet where there was a posting in the current entity that included posting lines for other entities. The enhanced functionality enables you to post journal entries that only involve a single entity in the posting, but which are for entities other than the current logged-in entity. Therefore, from the same function and spreadsheet, you can now post journal entries for only the current entity, journal entries for several different single entities, and journal entries across different entities.

To use the function, you must have access to all entities for which you want to create postings, and you must also be assigned role permissions that grant you access to Journal Entry Create in those entities.

**Note** It is recommended that you use Journal Entry Cross Co Excel Integration for all journal entry postings from Excel. This function offers transaction posting line by line, detailed error messages, and the ability to automatically create correction reversal and auto reversal journal entries.

### Downloading the Template

To facilitate the creation of journal entries, you can download a template in the Journal Entry Cross Co Excel Integration function. The Excel templates contains column headings that correspond to the grid in Journal Entry Cross Co Excel Integration.

### Importing from Excel

When you are finished editing your spreadsheet in Excel, open Journal Entry Cross Co Excel Integration, right-click in the grid, and select Import from Excel. The entries defined in your spreadsheet are loaded into the grid. When you click Save, the system creates journal entries for the source entity and for each of the corresponding postings for the target entities. It also performs all validation and defaults values if some key fields are blank. If you specify all required values, no defaulting occurs.

Two areas of the Journal Entry Cross Co Excel Integration screen indicate whether postings are processed successfully. The Posted field at Level 1 of the grid is automatically selected by the system as each transaction is processed and saved successfully. In addition, the processing status indicator at the bottom left of the screen indicates the status of records. The screen is locked during the saving process.

For each transaction posting that fails, an error message is displayed at the bottom of the screen. Each message contains a summary of the reason the posting failed. To view more information on the posting, select the message and click the Detail button. In the Detail Message window, select the Detail tab to display the details of the posting. This information helps you to identify the relevant line in the Excel spreadsheet.

### Exporting Unposted Transactions to Excel for Maintenance

When a transaction fails to post, the Posted field is not selected. You can export the unposted transaction back to Excel for maintenance. Right-click in the grid and select Export Unposted to Excel for Maintenance. Correct any errors to the spreadsheet and open Journal Entry Cross Co Excel Integration again to load the corrected transactions.

## Fixed Assets

The Fixed Assets module now supports the scenario where an organization wants to set up the system with statutory currency for the local country currency and base currency for the functional currency. In this setup, it is recommended that you have fixed asset values and depreciation in statutory currency as the leading currency. In some cases, group reporting requires depreciation of the assets in a different GAAP than the local one, using different depreciation methods and a different currency; for example, the currency of the corporate group.

To support such cases, it is possible to link a currency to each of the asset books. During the life cycle of the asset, that currency becomes the leading currency in the transactions. The values in other currencies required for posting in the general ledger are derived from the book currency by applying the historical rate applicable at the time the asset was acquired. That historical rate is stored at asset book level. In fixed assets reporting, you can choose to display values in the book currency or convert them to base or statutory

currency. For GAAP purposes, you can now also set different salvage values and depreciation deviation settings.

### Multiple Currencies

Each asset book is associated with a book currency. The book currency is the leading currency for all amounts in transactions involving an asset. It is the transaction currency of the postings in this asset book. The GL transaction currency—book currency—values are translated to base currency and statutory currency. The exchange rates in each book are the historical rates specified by the user at asset acquisition.

By default, the book currency is the base currency of the domain. A fixed asset can have multiple books with different currencies. The amounts in the header section are in the book currency of the primary book.

### Book-Level Control

You can set and adjust a salvage value for each book independently. You can also set the depreciation deviation control at book level.

### Conversion

If you have previously used the QAD Fixed Assets module and you want to upgrade to QAD 2014EE, a conversion is needed. There are three steps:

- 1 Initialize new fields.
- 2 Provide historical statutory currency rates.
- 3 Recalculate statutory currency balances.

The first step is included in the standard QAD 2014 EE upgrade. Steps 2 and 3 are only required when statutory currency is used and assets already exist or statutory currency is introduced later in a system that already has the QAD 2014 EE Fixed Assets module.

### Updated Programs for Fixed Assets

**Table 4**

Updated Programs for Fixed Assets

<b>Menu</b>	<b>Label</b>	<b>Program</b>
32.1.9	Book Maintenance	fabkmt.p
32.1.17	Class Maintenance	faclmt.p
32.3	Fixed Asset Maintenance	fafamt.p
32.5.11	Asset Owned Report	faaorp.p
32.5.1	Periodic Activity Report	fapaderp.p
32.5.3	Depreciation Adjustment Report	faajrp.p
32.5.5	Acquisition Report	faaqrp.p
32.5.7	Depreciation Expense Report	faderp.p
32.5.9	Asset Depreciation Array Report	fadar.p
32.5.13	Primary Book Activity Report	fapaderp.p
32.5.15	Primary Book Acquisition Report	faacqrp.p
32.5.17	Primary Book Retirement Report	faretrp.p
32.5.24	Fixed Asset Browse Extended	fabr002.p

## New Programs for Fixed Assets

**Table 5**

New Programs for Fixed Assets

Menu	Label	Program
32.5.21	Fixed Asset Book View	fabr003.p
32.5.25	Fixed Asset Class Browse	fabr009.p
36.25.94	Fixed Asset SC Rates Import	fascutii.p
36.25.93	Fixed Asset SC Rates Export	fascutix.p

**Note** Two further new programs, Fixed Assets Extended Browse (32.5.26) and Fixed Assets Account Balance (32.5.27), are added to the menu when the Financials dashboard is installed.

## Obsolete Programs for Fixed Assets

**Table 6**

Obsolete Programs for Fixed Assets

Menu	Label	Program
32.5.19	Fixed Assets Browse	fabr022.p

## Other Changes

### Consolidation Exchange Rates

For Equity GL accounts in consolidation, it is best practice to use historical rates. Often, these rates are not in the system and the rates may also be different for each entity in the system. To solve this problem, you must be able to specify a user-defined exchange rate table for each entity for those GL accounts.

Therefore, in GL Account Create (25.3.13.1), on the Currency tab, an Entities button has been added. This button enables you to specify a different user-defined exchange rate for each source entity in a consolidation. You can apply the exchange rate to any account type for consolidation purposes. The rate that you specify at entity level here must also be created as an exchange rate for the rate to be accepted in a consolidation. Create the exchange rate in Exchange Rate Create (26.4.1). This additional function is optional. If you do not specify rate type for one or more source entities, the rate type specified on account level is used for those entities.

### Journal Entry Verify and Approve

In Journal Entry Verify (25.13.1.7), the Add button has been replaced by a Search button and the program has improved performance. Journal Entry Approve (25.13.1.8) also has improved performance and usability.

### Supplier Payment Selection

In Supplier Payment Selection Confirm (28.9.4.5), the time taken to load a selection has been significantly reduced. When a payment selection returns more than 300 record lines, the details are no longer displayed in the grid. Instead, a Browse Details button has been added, which enables you to display a separate browse with the detail lines. You can refine your selection using this browse. The browse contains the same columns as Supplier Payment Selection View.

In Supplier Payment Selection Create (28.9.4.1), the new Discounts up to field enables you to return open items with discounts up to a specific date in the future, rather than all discounts on invoices due at a future date. This feature enables you to control the due and discounted invoice selection.

## NRM Update

You can now configure a shorter customer invoice number that is easier to type in downstream transactions. When the Daybook Control type is Operational, you can configure Number Range Maintenance for four daybook types. This change gives you added flexibility in defining invoice number segments. The daybook types are:

- Customer invoice
- Customer credit note
- Customer invoice corrections
- Customer credit note corrections

You can now shorten the Year and sequential Voucher parts of the invoice number and replace the daybook code with a short code or number. You can add or remove the separators between the three key parts. However, the three key parts are still required in some format.

You can also set up numbering that continues from one year to another. However, you cannot change a number range that has already been used because this action would lead to complicated validations. Therefore, to use the new functionality, new operational daybooks must be created and configured for the four daybook types and those daybooks must be linked to the daybook sets and sites as before.

## Journal Entry Templates

In Journal Entry Create (25.13.1.1), the Template Code field has been renamed to Use Template. You now use this field to select an existing template code to apply to the entry. Select the Save as Template field to save the entry as a new posting template. When you select this field, you must specify a new posting template code in the text box.

In Journal Entry Modify (25.13.1.2), the Use Template field can be edited for journal entries with transient layers. When you specify an existing template code in the Use Template field, the related template is applied. In Journal Entry Modify, you can edit this field for journal entries at all layers. You can remove the existing template code, replace the existing code, or add a code when the field was blank. However, if you enter a code that is already used in another journal entry, an error is displayed, stating that a template with this code already exists.

Journal Entry Template View (25.13.1.19) enables you to browse journal entry templates. This browse lets you search using various criteria, such as GL period, daybook code, posting date, and template code. When you select and right-click a template in the browse, you can view and modify the template, depending on your permissions in Role Permissions Maintain (36.3.6.5).

## Customer Aging History Across Domains Report

When you are responsible for cash collection over many domains, use Customer Aging History Across Domains (27.17.21) to create a report that shows the open balances over multiple selected entities from multiple domains with the same customer shared set. You can add another Entity search field for each entity you want to include.

## AR Correction Payments

In Customer Payment Create (27.6.4.1) and Customer Payment Selection Create (27.6.4.6), you can now select invoice correction and credit note corrections for payment.

## Financial Drill Downs

Two new drill downs are included in this release. Their behavior is consistent with other financial drill downs.

- Supplier Payment Postings
- Customer Payment Postings

## Journal Entry

In Journal Entry Excel Integration (25.13.1.6), when you link attachments to the different postings, the link between the postings and the attachments is now correct.

## Daemons

The requests of the Cross-Company daemon now display more readable information. An issue where scrollbars were not appearing when expected has also been fixed.

## Browsets

An issue with decimal filter values in stored searches has been fixed.

User-defined fields of type date are now displayed with the correct date format.

User-defined fields can now be added in Cost Center View (25.3.20.3).

The export browse data to server feature is now available.

An issue with GL Transactions View Extended (25.15.2.10) displaying incomplete data has been fixed.

## Reports

An issue with filter criteria not being printed in reports has been fixed.

The report service for .NET4 and OE11 has been updated. The required version is 1.1.2.0.

## SOD

SOD can now be activated from a command line.

Error handling in importing Excel data has been improved.

## System Monitor

The System Monitor (36.24.3) now includes a Hotfixes tab, which displays the hot fixes installed on the backend.

## Internationalization Enhancements

### Customer Billing

In environments where high volumes of invoices are produced, an organization periodically generates bills to send to their customers. The bills contain a consolidation of invoices, credit notes, and payments that have occurred since the previous billing. You can print a bill in summary form with one line per invoice or

in full with item line details. The bill also contains a balance carried forward (opening balance from previous bill, activity current period, new closing balance to be carried forward to the next bill). Customers make payments with reference to bills, rather than to individual invoices.

Bills also have their own due date, based on the billing date and specific terms for bills. Bills do not replace normal invoicing, which still takes place as usual. Sales revenue and tax postings are posted during the invoice posting. However, billing enables you to group these invoices on a periodic basis in a formal bill document and send them to the customer. The bill document is an invitation to pay and its credit terms override those of the originating invoices. The original invoices remain open; the billing document is not a replacement AR. However, the billing document is to be paid as a single payment with a single payment reference.

The billing solution requirements exist formally in Japan and Thailand but billing is useful in any situation where regular customer statements with a balance carried forward are needed.

### New Programs for Customer Billing

The billing programs enable you to send bills to selected customers and record the payments that the customers make.

**Table 7**

New Programs for Customer Billing

Menu	Label	Program
36.2.7	Financial Holiday Maintenance	BHoliday.Create
27.3.1.1	Billing Schedule Create	BBillSchedule.Create
27.3.1.2	Billing Schedule Modify	BBillSchedule.Modify
27.3.1.3	Billing Schedule View	BBillSchedule.View
27.3.1.4	Billing Schedule Delete	BBillSchedule.Delete
27.3.2.1	Bill Create	BBill.Create
27.3.2.2	Bill Modify	BBill.Modify
27.3.2.3	Bill View	BBill.View
27.3.2.4	Bill Delete	BBill.Delete
27.3.2.5	Bill Print	QAD_BBillReport_BillReportDInvoice
27.3.2.6	Set Bill Date	BBill.SetBillDate
27.17.20	Customer Aging By Bill History	QAD_DebtorBillingAAB

In addition to the new programs, fields have been added in Customer Create and Modify (20.7.1) to enable you to assign a billing schedule and a bill collector to a customer.

To record bill payment, you can add billing fields in Design Mode to the following programs:

- Customer Payment Create allocate screen (27.6.4.1)
- Open item Adjustment Create (25.13.5)
- Banking Entry Allocate (31.1.5)

### AP Bank Charges

The AP Bank Charges solution is tailored to business practices in Japan. The AP Bank Charges functionality enables you to configure your system to calculate bank charges on supplier payments. Bank charges often apply to payment transfers that you make to your supplier to pay for goods or services. You must agree with your supplier who pays these. You can then configure the system to take these charges into account during the AP payment process. Banks keep a list of the charges that they apply to payments made. These charges are dependent on the bank that you are making the payment to, the amount of money that

you are paying, the payment format, and the date of the payment. If your supplier pays for these charges, you can configure the system so that the charges are automatically deducted from the payment that you make to the supplier. The bank charge amount displays in the Bank Charge Amount field of Supplier Payment Create.

There are a number of steps to complete so that the system is configured to calculate bank charges on payments to suppliers:

- Record bank branch details using Bank Branch Create.
- Record bank charges using AP Bank Charge Create. You can specify if the bank charge is taxable, and whether the bank charges recorded include or exclude tax.
- Enable bank charges in your own bank's GL account, using the Banking tab of GL Account Create.
- Link your own bank account to payment methods, and specify which payment methods incur a bank charge using Bank Payment Format Link.
- Configure the supplier record to show that the supplier pays the bank charge on the Payment tab of Supplier Create.
- Record the details of the supplier's bank account on the Banking tab of Supplier Create.

**Important** To run the AP Bank Charges functionality, a Japan internationalization extension license is required.

### New Programs for AP Bank Charges

**Table 8**

New Programs for AP Bank Charges

Menu	Label	Program
31.14.1	AP Bank Charge Create	BBankCharge.Create
31.14.2	AP Bank Charge Modify	BBankCharge.Modify
31.14.3	AP Bank Charge View	BBankCharge.View
31.14.4	AP Bank Charge Delete	BBankCharge.Delete
31.14.5	Bank Branch Create	BBankBranch.Create
31.14.6	Bank Branch Modify	BBankBranch.Modify
31.14.7	Bank Branch View	BBankBranch.View
31.14.8	Bank Branch Delete	BBankBranch.Delete
31.14.9	Bank Branch Excel Integration	BBankBranch.ExcelIntegration

You can include information on bank charges in the following reports:

- Registered Supplier Payment Sel Report (28.9.9.10)
- Supplier Remittance Print (28.9.9.8)

**Note** The bank charge information is not included in the reports by default. Use Report Resource Designer (36.4.21.30) to make the bank charge information display in the report.

### ERS

In countries such as Portugal, it is a legal requirement to provide a digital signature for each invoice. This signature verifies that invoice creation sequence and invoice data are not altered after invoice creation. The signature is generated using OpenSSL. This requirement applies to supplier invoices just as it does to customer invoices.

In ERS Processor (28.10.13), when you click Process, an invoice is created and a digital signature is then also created. The data used to create the signature is taken from the current invoice, but the signature of the

previous invoice is also included. The order of the invoices is determined based on the company, posting year, daybook, and voucher of the invoice. Digital signatures are only created for non-initial invoices.

**Important** To enable digital signature creation, you must have the Portugal internationalization extension license.

### NRM Numbering

In Brazil, it is a requirement to allow the same legal document numbering for a different site in the same domain. It is possible to have the same numbers because when the CNPJ code (GST tax ID) is different from one site to another, the unique CNPJ code ensures that each number can be uniquely identified.

To meet this requirement, the number range target dataset for legal documents allows you to create the same set of segments with the same format. In Number Range Maintenance (36.2.21.1), the target dataset for legal documents is `lgd_nbr.xxxx`, where `xxxx` can be any character.

You can create two different number ranges with the same segment formats and issue the same numbering. In Legal Document NRM (36.2.21.9), two or more different sites can be linked with independent number ranges and the same segment formats.

In all shipper confirmations, the legal document is not validated when the same legal document number exists in the same domain. In Shipper Unconfirm, the legal document related to the unconfirmed shipper is reverted and the status changed to Canceled.

### Generating Separate Legal Documents for Material and Container

In sales and in DRP flow, it is common in Brazil to issue separate legal documents for the material and the container because different taxes may apply to them. In addition, containers are sometimes unplanned issues and the customer is not charged for them. Therefore, you also need to be able to specify whether a container legal document has an impact on AR.

To treat the container separately from the material and to create separate legal documents and GTM usage, you must perform the necessary setup. In Container/Line Charge Control (7.22.24), select the Separate Legal Doc for Container field. This value is set at global level and also by default at customer level in Ship-To Control Maintenance. You can change the value for each customer.

To treat the container as an unplanned issue, in Container/Line Charge Control, select the Recalculate Container Taxes field. This field indicates that you are using a different GTM base for the container, and tax is determined according to the container lines on shipper. It is not accounted for in AR or displayed on the customer invoice. You can also set this field at customer level in Ship-To Control Maintenance.

### DRP Flow With Container: Tax Enhancements

In Brazil, all transactions are subject to tax, including Distribution Requirements Planning (DRP) transactions. In DO Shipper/Pre-Shipper Maint (12.19.3), you can set specific tax parameters at header, container, and line level. You can also set the container and unit price. The shipper trailer contains a Tax Totals frame that displays the total tax for the shipper.

When you then confirm the shipper, all taxes are calculated automatically, and legal documents with the relevant prices and taxes are produced. The tax postings are also created in the GL.

## Setting Up Container Taxes

To enable you to specify container taxes, you must complete the relevant setup in Global Tax Management Control (29.24). On this screen, the Apply Tax On Issuing Transactions field must be selected and the Transaction type must be set to ISS-DO.

After you create a distribution order in Distribution Order Maintenance (12.17.14), use DO Shipper/Pre-Shipper Maint (12.19.3) to create a shipper. This program enables you to enter tax parameters for the container separately to the materials. A separate tax frame is displayed for the container.

When you enter the container content details, you need a base amount to calculate taxes. The Unit Price field enables you to specify the cost per unit. The default unit cost is automatically displayed in this field. When you click Next, an item level tax frame is displayed, which enables you to enter tax parameters at an item level.

When you have completed all shipper lines, you can select the View/Edit Tax Detail field to view tax details. When you confirm the shipper in DO Pre-Shipper/Shipper Confirm (12.19.13), all taxes and accounting transactions are calculated for the shipper.

## Unconfirming a DRP Shipper

If you have created a DRP shipper with an error in the fiscal data or GTM usage, you need to be able to unconfirm it. As a workaround, to unconfirm a DRP shipper, use Non-sales Shipper Unconfirm (3.15.2). This program enables you to unconfirm a legal document with the status Confirmed by sending a generated file to the government. There is no related inventory transaction.

When you have corrected any errors, use Non-Sales Shipper Confirm (3.15.1) to confirm the DRP shipper again. In this way, you avoid reissuing inventory.

## Consolidating Invoices

To meet requirements in some European countries such as Czech Republic and Italy, you can now set up your system to disallow issuing an invoice for a single sales order with different shipment periods on an order. For multiple sales orders, you can also set up the system to prevent the user from combining orders with different shipment periods. The periods can be by month, quarter, year, or any defined calendar date period. The calendar used can be either GL or Tax calendar, depending on the configuration.

In Container/Shipper Control (7.9.24), when Separate Invoices for Each Shipment is selected and one of the options Always, By Tax Period, By GL Period is selected, you cannot confirm the current shipment when there is any pending invoice for the same sales order. By default, Separate Invoices for Each Shipment is not selected.

You can also add a check to disallow the combining of multiple sales orders with different Ship-from Tax Zone into one invoice. To add this check, in Sales Order Accounting Control (36.9.6), make sure Consolidate Invoice by Various Ship-From is not selected.

## Legal Documents in Reports

The legal document number is now available in the dataset of the following reports, so you can include it on a report when there is a country-specific legal requirement:

- Customer Open Item Report (27.17.1)
- Customer Aging Analysis Current (27.17.6)
- Customer Aging Analysis History (27.17.7)
- Customer Aging Analysis by Grp Current (27.17.8)

- Customer Aging Analysis by Grp History (27.17.9)
- Customer Open Item Basic Report (27.17.15)

## Operational Enhancements

### Component Availability Check (CAC) New Statuses

Two new statuses were added to the EE CAC browse collections and the Planning and Scheduling Workbenches-embedded CAC:

Authorized Receipts Delayed: The same as Authorized Receipts except that the ASNs or work orders covering the requirement are past due (due date < today).

Scheduled Receipts Delayed: The same as Scheduled Receipts except that the POs or Work Orders covering the requirement are past due (date < today).

### Planning and Scheduling Workbenches New Capacity Columns

Two new columns were added to the production order temp-table (tt-wo\_mstr) that the system creates and populates when you search:

- Capacity Quantity Completed

The quantity completed to use for capacity purposes. The system sets it to the following formula for the production order as the default:

$$\text{Quantity completed} + \text{quantity rejected}$$

You can override this quantity by implementing code in the Capacity Quantity Completed user exit program. For more information, refer to *Administration Guide: Planning and Scheduling Workbenches* for workbenches version 2014 EE.

- Capacity Open Quantity

The quantity open to use for capacity purposes. The system sets it to the following formula for the production order:

$$\text{Quantity ordered} - \text{capacity quantity completed}$$

The two new columns were added to the workbenches:

- PSW Panels:
  - Required capacity is now based on capacity open quantity.
  - In the left-hand structured grid, the release date and shift band totals—Required, Remaining, Cum Remaining, Carry-over, and so on—are now based on capacity open quantity.

**Fig. 1**  
PSW Panel Capacity Open Quantity Changes

ID	Shift	Seq	Run	Seq 1	Run	Seq 2	Run	Crew	Item Number	Setup Time (Hrs)	Status	Component Status	Quantity Ordered	Open Quantity	Release	Due	Resource
04/29 Required: 9.9 Hours (26) Remaining: -9.9 Hours (0) Carry Over: 9.9 Hours (0)																	
10/26 Required: 16.67 Hours (50) Remaining: -16.67 Hours (0)																	
00.00 Required: 16.67 Hours (50) Remaining: -16.67 Hours (0)																	
20609	0								bgp4		0 F	No Status	10	10	10/26/2011	10/26/2011	bgprod1
20610	0								bgp4		0 F	No Status	10	10	10/26/2011	10/26/2011	bgprod1
20611	0								bgp4		0 E	No Status	20	20	10/26/2011	10/26/2011	bgprod1
20612	0								bgp4		0 E	No Status	10	10	10/26/2011	10/26/2011	bgprod1
02/22 Required: 3 Hours (24) Remaining: -1.3 Hours (0) Carry Over: 26.56 Hours (0)																	
02/23 Required: Hours (10) Remaining: -1 Hours (0) Carry Over: 27.86 Hours (0)																	

These fields are now based on capacity open quantity.

- MSW Capacity Panel:

The Required Capacity and Scheduled Quantity rows are now based on capacity open quantity.

**Fig. 2**  
MSW Capacity Panel Changes

Resource	Horizon End	Record Type	Past Due	Wednesday	Thursday	Friday	Saturday	Sunday	Week 32	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Week 33
ASSY-01	08/12/2013	Remaining Capacity	-562	8	8	8	8	8	40	8	8	8	8	8	8	8	56
		Planned Capacity	0	0	0	0	0	0	40	0	0	0	0	0	0	0	56
		Required Capacity	562	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Scheduled Quantity	562	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CAST-G	08/10/2013	Remaining Capacity	-424	9	9	9	9	9	45	9	9	9	9	9	9	9	63

These rows are now based on capacity open quantity field calculations.

In addition, in the Workbenches-embedded Production Order Maintenance Details Panel, the Required Capacity (Hrs) field is now based on capacity open quantity.

The Capacity Quantity Completed user exit program provides the ability to set the production order’s capacity quantity completed to any value; for example, the quantity completed at a particular operation, instead of the production order’s quantity completed plus quantity rejected. See *Administration Guide: Planning and Scheduling Workbenches* for workbenches version 2014 EE.

**Fig. 3**  
Production Order Maintenance Changes

ID	Status	Quantity Ordered	Release
90017	E	10	10/13/201
2311754	E	16	10/14/201
2322181	E	10	10/15/201
2322182	E	10	10/16/201
2322183	E	10	10/17/201
2322184	E	10	10/18/201
2322185	E	10	10/19/201
2322186	P	1330	12/06/201
2322187	P	750	12/28/201
2322188	P	600	01/27/201
2322189	P	400	02/26/201

  

Quantity Ordered:	<input type="text" value="10"/>	Production Rate:	<input type="text" value="10.00"/>
Quantity Open:	<input type="text" value="7"/>	Run Crew Size:	<input type="text" value="5"/>
Yield:	<input type="text" value="100"/>	Run Crew Productivity:	<input type="text" value="100.00"/>
		Line Productivity:	<input type="text" value="100.00"/>
		Run Time (Hrs):	<input type="text" value="0.70"/>
		Setup Time (Hrs):	<input type="text" value="0.0"/>
		Required Capacity (Hrs):	<input type="text" value="0.70"/>
Remarks:	<input type="text"/>		

This field is now based on capacity open quantity.

**Lot Trace Workbench**

2014 EE introduces Lot Trace Workbench, which is a powerful integrated data analysis browse that allows the user to track materials by item, lot/serial, backward and forward through the receiving, issuing, and other inventory processes. Included in this tracking functionality is the ability to trace data across multiple levels in the production process. Not only can specific data be identified and collected through this workbench, but it can then be exported to Excel, where it allows the user the flexibility for further manipulation and custom report formatting.

Companies that have lot-controlled inventory require the capability to have immediate access to current inventory data, as well as to historical data. When a product is returned, recalled, or inquiries are being made, tracing all the raw materials that are used to produce that product is necessary to investigate possible root causes for issues. The Lot Trace Workbench browse allows you to answer the following questions:

- Which material has been used in production?
- From which suppliers were the raw materials purchased?

This browse also allows you to analyze the impact of potential issues:

- What are the current levels of affected inventory?

- Where has this material been used?
- Where have materials been shipped?

With Lot Trace Workbench, you can collect this valuable information and:

- Document and report on affected inventories and materials.
- Determine what to do with inventory still on hand, such as inspecting material in quality control, putting inventory in quarantine, scrapping inventory, returning material to supplier, reworking, and so on.

## Periodic Costing

The following topics discuss enhancements for this release.

### Sales Order Returns

Sales order return functions now perform the return using the cost from the corresponding ISS-SO transaction.

### Improved Transaction Adjustment Method

Periodic Cost Calculation now uses a new adjustment method to ensure more accurate calculations.

The updated adjustment logic begins by fully reversing the original transactions and then recalculating the PC GL transactions using the full amount to post the transactions to the accounts. The previous method created adjustments based on variances.

### WIP for Co-Products

When performing work order accounting close for a co/by-product work order, the system has been enhanced to place the remaining WIP into the inventory account of the co-product.

### Negative WO Receipts with Insufficient Inventory

When calculating a negative work order receipt in a situation where there is not enough quantity in inventory, the system now deducts the remaining quantity from the discrepancy account.

### **Example**

	Quantity	Unit Cost	Amount
Inventory Balance	10		40
RCT-WO	-12	5	-60

Since the unconsumed quantity in this example is 10, the cost of 10 will credit from the inventory account and the cost of the overissue quantity of 2 will credit from the discrepancy account.

Expected GL Transactions of RCT-WO:

Dr WIP 50  
 Cr Inventory 50  
 Dr WIP 10  
 Cr Discrepancy 10

## Improved Unit Cost Information

Some reporting programs have been enhanced to include the updated unit cost after PC Unit Cost Adjustment has been run, as well as the historical unit cost of any period.

Modified programs include:

- Inv Detail by PC Cost Browse now always displays the up-to-date unit cost.
- Inventory and SF Movement Report and Inventory and WIP Balance Report now display the historical cost as of the period of the selected cost set.

## New Delete/Archive Function

The new PC Item Cost Delete/Archive (30.5.22) function lets you archive and delete PC category cost and element cost data as required, based on specified ranges of item, site, and period.

## New Browse Collections

You can use the following Periodic Costing .NET UI browse collections as one-stop programs to view and modify data. You can select a record in the top-level browse and drill down into the browse collection's supporting browses, which display additional information about the record you selected. Periodic Costing browse collections include the following:

- Transaction PC Cost Browse Collection
- Inv Operational GL Transactions Browse Collection
- Operation History Browse Collection

The following topics provide more information.

### Transaction PC Cost Browse Collection

This browse collection contains a list of inventory transactions by number and type, effective date, item number and description, order number, site and location, and quantity changed. It also shows the transaction price, standard amount, PC unit cost and amount for each transaction as well as the entity, address, shipper number, ID, and operation.

To access supporting browses, you right-click the blue data in the top-level browse. When you do, a button displays. Click the button and the supporting browse of the same name displays below the top-level browse. The top-level browse lets you right-click the following to display a supporting browse:

**Table 9**

Transactions PC Cost Supporting Browses

<b>Field to Click</b>	<b>Browse that Displays</b>
Tran Nbr	Inv Operational GL Transactions
Transaction Type	Code Master
Order	Transaction Numbers
Item Number	Item Master
Site	Sites
Location	Location Master

When you right-click a transaction number, the system displays the supporting Inv Operational GL Transactions browse with GL reference data and GL transaction data. The Inv Operational GL Transaction browse displays additional data for the transaction you clicked in the header list. For this supporting browse, you can view additional data that shows the debit account for the GL transaction and the amount and the credit account and the amount.

You can follow the same pattern of right-clicking blue data in fields in the supporting browses. When you do, buttons display and the supporting browses display below the browse in which you clicked. For example, in the Inv Operational GL Transactions browse, you can right-click the transaction number or the account to display supporting browses.

#### Inv Operational GL Transactions Browse Collection

This browse collection lists all operational GL transactions for the inventory transactions. The top-level browse lists the transaction number, GL reference and reference ID, GL transaction type, account, sub-account, cost center (CC), project, BC debit and BC credit, document, order, date, item number and description.

To access supporting browses, you right-click the blue data in the top-level browse. When you do, a button displays. Click the button and the supporting browse of the same name displays below the top-level browse. For example, right-click the transaction number in the top-level browse and the system displays the supporting Transaction PC Cost browse, or right-click the account code and the system displays another supporting browse that shows the account codes.

**Table 10**  
Inv Operational GL Transactions Supporting Browses

Field to Click	Browse that Displays
Tran Nbr	Transaction PC Cost
Account	Account Codes
Item Number	Item Master
Sites	Sites
Entity	Entity Codes

By selecting a single record in the top-level browse, then drilling down, you can easily see which accounts are debited and credited for every inventory operational GL transaction.

#### Operation History Browse Collection

This browse collection provides a consolidated view of all transaction information for a work order. The top-level browse lists items by item number, ID, operation and description, the work center, the machine, quantity ordered and completed.

Supporting browses include the Operation Transaction, PC Work Center Rates, WO Components (which also shows the cost adjustments transactions), WO Receipts (and shows the WO reject and accounting close), OP Operational GL Transactions, and Subcontract Receipts (and shows the inventory transactions for the receipts).

To access even more supporting browses, right-click the blue data in the top-level browse. When you do, a button displays. Click the button and the supporting browse of the same name displays below the top-level browse.

**Table 11**  
Operation History Supporting Browses

Field to Click	Browse that Displays
Item Number	Item Master
ID	Work Order Routings and Work Order Routings Maintenance
Work Center	Work Centers
Machine	Work Centers by Machine

## Properly Balanced Inventory Account

This release of Periodic Costing provides an enhancement that ensures that the inventory account is properly balanced even when you:

- Make changes to the inventory account during the period.
- Have different accounts per location.

Previously, when you changed the inventory account in the product line record with on-hand inventory and inventory account balances for the item, the mod7 report displayed a very different balance than what you saw in GL. This made reconciliation difficult because the correct value was not known.

Now, when you update costs for a period using the WAVG or FIFO method, Periodic Cost Calculation (30.5.7.1) creates adjustment transactions to balance the amount in each inventory account for an item based on the calculated cost of the item. This results in the GL account balance accurately stating the inventory value associated with the account. It also ensures that the accounts are balanced when you summarize the inventory quantity in the locations for that account and multiply the summary by the calculated periodic cost for the item and that the summary is equal to the account balance for the item.

## Cost Revalue Account

You can define a cost revalue account to ensure that inventory accounts are properly balanced when the unit cost for the item in the site changes. You define the cost revalue account in the Cost Revalue Account field in Periodic Costing Control (30.5.24).

The account is separate from other existing revaluation and adjustment accounts for visibility in reconciling any non-zero balance. The account is for situations in which different inventory accounts per location exist.

When different inventory accounts per location exist, an item can have multiple inventory transactions within the same cost period, but be linked to different inventory accounts. When this occurs, the unit cost for the item in the site changes. The inventory revaluation now reflects all inventory accounts in which the item holds an inventory balance.

## Performance Notes

- QAD 2014 EE performance is comparable with QAD 2013.1 EE.
- There are performance improvements in the Supplier Payment Selection functionality.

## Installation and Conversion Updates

### Database Startup and Shutdown

The Edit Database Locations screen now allows you to specify the processes used to start up and shut down the live main databases. The options for starting and stopping databases are dbman and dbman, proserve and proshut, and dbman and proshut, respectively.

## Additional System Changes and Limitations

At this point in the Enterprise Edition development cycle, differences with earlier releases as well as limitations exist in various areas:

- Not all optional modules and complementary products can be used with QAD 2014 EE. Some of these modules are planned to be available; others may be replaced by a different type of offering.

- Some limitations exist related to technical components such as databases and operating systems.
- Some specific application features that were available in previous releases of the core application are no longer available. In some cases this is intentional; in other cases, plans exist to reimplement the features for the Enterprise Edition.
- Enterprise Financials introduces many new capabilities as well as new Financial concepts. Due to differences in concepts with Standard Financials, a clear function-by-function comparison is not always possible. Certain specific functions of Standard Financials might work differently or not be supported in Enterprise Financials.

### Updated Policy Regarding Source Code

Source code licenses for QAD Enterprise Applications are available on a module-by-module basis and priced separately. However, even for customers who do not purchase source code licenses, QAD has historically made a subset of source available. This includes source for frequently modified reports and inquiries, and excluded transactional programs.

The list of files supplied as part of this free subset of source has changed in the EE release. QAD is maintaining the policy of allowing modification of reports and inquiries, but is now applying a stricter criteria to qualify what programs can be modified without purchasing source. As a result of this change, customers may notice that some programs they received in previous releases are no longer available. For example, QAD previously provided *all* include (.i) files—including those not used by reports and inquiries. Delivery is now limited to .i files that are needed by reports and inquiries; for example, frame definitions.

Another change in source code involves Financial source code. The new Enterprise Financials follows a different development model, and customization of source is facilitated through a customization layer that does not require direct update to the generated source code. Therefore, source for Enterprise Financial programs is not available for purchase by customers. A small subset of traditional Financial programs that still remain in the Accounts Payable (AP), Multiple Currency (MC), and General Ledger (GL) modules have been moved to the base (OS) module and are available to customers who purchase source for that module.

### Windows GUI User Interface No Longer Supported

In the Enterprise Edition of QAD Enterprise Applications, the .NET UI is the primary product user interface. GUI is no longer supported at all. Some programs can only be run in .NET UI; many operational programs can still be run in character, but the full use of the suite requires .NET UI.

### Progress Results Files

In QAD Enterprise Edition, a full set of Progress Results files (.qc and .qc7 files) is not provided because customer requirements for reporting vary extensively. Instead, a sample set is provided on the media containing five valid relationships. Users can add more relationships using the Progress Results application to fit their business needs. Refer to the Progress Results documentation or contact QAD Global Services for assistance with adding relationships to the existing QC files.

## Support for Optional Modules and Complementary Products

### Optional Modules Not Supported in QAD 2014 EE

#### Project Realization Management (PRM)

PRM was removed from the Enterprise Edition. It may be restored at a later time pending product management decision regarding enhancing PRM or using another project management solution.

#### Centralized Order Processing (not planned)

Centralized Order Processing (COP) is not supported in Enterprise Edition, either for sales or purchase orders. Other order management features can be used with QAD EE.

This means that you cannot enter an SO or PO in one domain and process the SO shipment or PO receipt in another domain. However, you can open an SO or PO with the header site belonging to one entity and the line sites belonging to different entities in the same domain. In this scenario, the appropriate cross-company postings are registered.

You can also use Enterprise Material Transfer for cross-domain sourcing of items. Enterprise Edition features enhancements to the EMT functionality that make this method easier to use.

### Complementary Products Not Supported in QAD 2014 EE

- QAD Manufacturing Execution Workbench (MEW) (unplanned)
- QAD Distributed Order Management (DOM) (unplanned)
- Trade Management (TrM) and APM Medical (unplanned)
- The Planner (unplanned)
- Multi-Level Pegging (unplanned)
- Q/LinQ and DataSync. The features of both these products are now included in QXtend.

## Installation and Conversion Limitations

### Installation

Service pack only media are not provided. Each release is a full install, although database upgrade utilities are provided.

### Conversions

To ensure the highest level of quality and success for customers converting to the QAD 2014 EE release, the participation of QAD or certified QAD partner services is strongly recommended. As a result, the conversions are disabled on the release media to ensure conversion requirements are properly reviewed and planned by QAD prior to any conversion activities.

### Operating Systems and Platforms

Support for an Oracle database is not generally available; only Progress database can be used.

**Note** An Oracle version is available for Early Adopters only.

## Performance Tuning

Please consult with QAD prior to implementing a Wide Area Network configuration for QAD 2014 EE.

## General Limitations

### Multiple Databases Not Fully Supported

QDT does not currently support the installation of multiple databases. In addition, the application is limited in the support for multiple databases.

Because of the use of proxies through an App Server to update financial tables, you cannot switch databases if any activity may update financial tables. Currently, this means that a user cannot connect to another database from the UI. The only switching that is allowed is from the low-level DRP and EMT routines where it is known that the resulting updates do not affect financial data.

EMT itself works correctly in both single (cross-domain) and multiple database implementations. When using multiple databases, users must separately log in to the databases; it is not possible to switch between databases from the menu.

GL consolidation between multiple databases is not fully supported.

### Some Financial Utilities Not Available

Delete/archive utilities are planned. Other utilities will be created as needed.

### Handling of Euro Conversion Deferred

The programs for converting a currency to the Euro have not been updated to work with the Enterprise Financials. This will be addressed when a need for such conversion exists.

### Financial Source Not Available

Since the Enterprise Financials use a new component-based methodology, they cannot be modified in the way traditional MFG/PRO programs were customized. Source code for the financial modules is no longer provided. Customization templates can be used to add business logic to existing Financial programs without making invasive code changes. Documentation of the source code required for creating APIs is supplied in HTML format. Customization features will be expanded in future releases to support additional features such as including new tables or new components.

### System Cross-Reference Not Available

Earlier versions of QAD Applications provided a system cross-reference that let you see where tables, fields, and programs were referenced. This feature is no longer available, since it did not apply to the new component architecture.

## Internationalization Features

Support for country-specific requirements is being addressed in each release of Enterprise Applications. Many of these features that were previously provided as localization or partner offerings are now being provided as generic features of the product.

For a complete list of internationalization features and planned country support, see the QAD Support Web site.

## QAD .NET User Interface

These release notes include information about QAD .NET UI for QAD Enterprise Applications 2014 – Enterprise Edition (QAD .NET UI 3.0.2).

Review this document *before* proceeding with any phase of a QAD .NET UI implementation.

These release notes include the following sections:

**Installation and Configuration Information** 23

**Application Changes** 28

**Reporting Framework Changes** 29

**Programs in Terminal Mode Only** 30

### Installation and Configuration Information

The following summarizes installation and configuration changes for this version of the QAD .NET UI.

For information on the QAD .NET UI release history, see the *Platform and Product Availability Guide*, available from the General Reference section of the QAD support site (<http://support.qad.com>).

The QAD Document Library (<http://www.qad.com/documentlibrary/>) offers a complete set of all QAD user guides, training guides, and other materials.

**Note** If upgrading from a previous version, be sure to review the release notes for the versions between your current version and this version.

### Cumulative Patch Information

**Important** Before installing the QAD .NET UI 2013, be sure to go to the QAD Store (<http://store.qad.com>) to check for the latest cumulative patch for this version of the QAD .NET UI. You must install the patch after installing the QAD .NET UI.

### Release Summary

**QAD .NET UI Version:** 2014 EE (3.0.2)

**Product Versions:** QAD Enterprise Applications 2014 – Enterprise Edition

**Microsoft .NET Framework Version:** 4

Microsoft .NET Framework 4 must be installed on client machines. You can download and install it from the Microsoft Download Center (<http://www.microsoft.com/en-us/download/details.aspx?id=17851>).

**Tomcat Versions:** 7.x

**Operating System:** The QAD .NET UI client runs on Windows XP SP3, Windows Vista, Windows 7, and Windows 8 (Desktop Mode). The QAD .NET UI can run on 64-bit Windows, but only in 32-bit mode.

**Microsoft Internet Explorer Version:** 9 or higher. If running Windows XP SP3, you can use Internet Explorer 8, but see “HTML5 Process Maps and Internet Explorer” on page 26.

The Connection Manager SSH implementation uses the jSch component by JCraft, Inc., distributed in accordance with the license agreement (<http://www.jcraft.com/jsch/LICENSE.txt>).

## Supported Languages

The user interface supports the following languages in this release:

Chinese (Simplified)	English (US)	Italian	Portuguese (Brazilian)
Chinese (Traditional)	French	Japanese	Spanish (Castilian)
Dutch	German	Polish	Spanish (Latin American)

The following languages have some support, but new terms added in this release may appear in English:

Bulgarian	Greek	Norwegian	Slovenia
Czech	Hungarian	Romanian	Swedish
Danish	Korean	Russian	Turkish
Finnish	Lithuanian	Slovak	Ukrainian

## Georgia SoftWorks Windows SSH or Telnet Server Installation

The QAD .NET UI uses an SSH or telnet server for two purposes:

- On the database server, it is used to run a pool of sessions that support maintenance programs, reports, and inquiries.
- It enables the client terminal interface for programs that only run in terminal mode (see “Programs in Terminal Mode Only” on page 30) as well as any custom programs that do not conform to QAD programming standards.

As of the QAD .NET UI 2013 release, the QAD .NET UI now supports secure shell (SSH) as well as telnet. You can use either SSH or telnet; the default is now to use SSH. Typically, the SSH or telnet server runs on a UNIX (or Linux) machine. If you plan to use a UNIX machine for the SSH server, QAD recommends using the SSH daemon, which comes standard on all UNIX distributions. If you plan to use a UNIX machine for the telnet server, you can use the default telnet service provided with the operating system.

If you want to run the SSH or telnet server on a Windows machine rather than a UNIX (or Linux) machine, use the Georgia SoftWorks (GSW) SSH Server or Telnet Server. This software is not included on the QAD .NET UI installation media: you must download the latest version of the software to obtain the most recent patches and functionality from Georgia SoftWorks:

<http://www.georgiasoftworks.com/>

For the Georgia SoftWorks SSH Server, see:

[http://www.georgiasoftworks.com/products/ssh2/ssh2\\_server.php](http://www.georgiasoftworks.com/products/ssh2/ssh2_server.php)

For the Georgia SoftWorks Telnet Server, see:

<http://www.georgiasoftworks.com/products/uts/overview.php>

Refer to the Georgia SoftWorks documentation for installation information as well as software and system sizing requirements.

The Georgia Softworks Power Features pack provides a session monitor, which is helpful for troubleshooting connection issues.

## Registering the Georgia SoftWorks Software

To register the software, you provide a product ID to Georgia SoftWorks so that a serial number can be generated for your product. The serial number identifies server hardware and software components. If these components change or are upgraded, contact Georgia SoftWorks about generating a new product ID and serial number.

**Important** If you need to reinstall or are planning to move your installation to a different platform, or if you are a sales agent or a distributor, include that information on the registration.

- 1 Select the Registration icon from the program group in the Start menu.
- 2 In the Georgia SoftWorks Product Registration window, enter your customer information. The information that displays in the Product Information section is system-generated.
- 3 Set Sessions Requested to 100. This is the number QAD automatically supplies with your registration.
- 4 Choose Save to File to save this information, or choose Print. Then, follow the appropriate step to supply the product ID to Georgia SoftWorks:
  - a E-mail the saved registration form file to Georgia SoftWorks at:  
registration@georgiasoftworks.com  
When your form is received, a serial number is generated for your product and is returned to you by e-mail.
  - b FAX the printed registration form to Georgia SoftWorks at 706-265-1020. When your form is received, a serial number is generated for your product and is returned to you by FAX.

When you receive your serial number, return to the Georgia SoftWorks Product Registration window and enter it in the appropriate field in the registration form. Click Register.

## Tomcat Configuration

As part of the software prerequisites for installing QAD Enterprise Edition, you must install the Tomcat web server in the \$CATALINA\_HOME directory as described in the *QAD Enterprise Applications – Enterprise Edition Installation Guide*.

**Note** When you install Tomcat, be sure to update the tomcat-users.xml file in the /conf directory to include user, password, and role settings for the admin and pronav users. For example:

```
<?xml version='1.0' encoding='utf-8'?>
<tomcat-users>
  <user name="tomcat" password="tomcat" roles="tomcat" />
  <user name="role1" password="tomcat" roles="role1" />
  <user name="both" password="tomcat" roles="tomcat,role1" />
  <user name="admin" password="mfgpro" roles="qadadmin,manager,manager-gui,admin,pronav" />
  <user name="pronav" password="editor" roles="pronav" />
</tomcat-users>
```

## Process Maps Installation

The process maps are delivered separately from the QAD .NET UI. The process maps for QAD Enterprise Applications 2014 – Enterprise Edition are included with the QAD 2014 EE release media and are available on the QAD Store (<http://store.qad.com>). The QAD Deployment Toolkit (QDT) installs the process map components (including the viewer and editor) along with the process map content as part of the overall installation process for the product. However, you should then get the latest process map content for QAD 2014 EE from the QAD Store.

### Process Map Configuration Settings

QDT installs the process map viewer, editor, and related components on the home server as a stand-alone web application named pronav (tomcat/webapps/pronav). The following settings in the client session configuration file (client-session.xml) specify the default configuration:

```
<!-- Process map settings -->
<ProcessMapBaseUrl>${DesktopProtocol}://${DesktopHost}:${DesktopPort}/pronav</ProcessMapBaseUrl>
```

```
<qad.url.process.editor>${ProcessMapBaseUrl}/ProcessEditor.jsp</qad.url.process.editor>
<qad.url.process.viewer>${ProcessMapBaseUrl}/ProcessViewer.jsp</qad.url.process.viewer>
```

Previously, the process viewer and editor were in `/tomcat/webapps/<environment>` and the process map content was in `/tomcat/webapps/<environment>/WEB-INF/pronav`.

Now process maps are included in an environment named pronav (`/tomcat/webapps/pronav`) by default. A benefit of this approach is that you can now define a single process map installation that can be shared across multiple environments.

**Note** The configuration setting for the process map images (QAD\_IMG), set in Administration > Process Admin, now requires a fully qualified domain name. The settings now include a QAD\_PMAP\_ROOT setting to specify the URL to the process map installation (`http://server.domain.com:port/pronav/`) and then the QAD\_IMG setting is `{QAD_PMAP_ROOT}images/`.

## HTML5 Process Maps and Internet Explorer

The Process Viewer and Process Editor support HTML5.

Computers running the QAD .NET UI 2014 EE client should be upgraded to use the most recent version of Internet Explorer available for the version of Windows.

For instance, if running Windows 7 (or Windows Vista), you should have Internet Explorer 9, which supports HTML5.

If running Windows XP SP3, be sure to upgrade to Internet Explorer 8. (Internet Explorer 9 is not supported on Windows XP.)

**Note** With Internet Explorer 8, the Process Editor will not work properly when opened inside the QAD .NET UI because Internet Explorer 8 does not support HTML5.

If you want to edit process maps and are running Windows XP SP3 with Internet Explorer 8, a workaround is to install a different browser that supports HTML5 such as Chrome or Firefox, and then access the Process Editor as a stand-alone web application based on where it is installed.

You can identify the URL for the Process Editor by choosing Help | View Configuration and searching for “process” to find the URLs for both the Process Editor and Process Viewer. The Process Editor URL will typically have the format `http://server.domain.com:port/pronav/ProcessEditor.jsp`. Enter this URL in the browser that supports HTML5.

## Easy On Boarding and Integrated Customization Toolkit Process Maps

Process maps now include additional maps for Easy On Boarding (EOB) and the Integrated Customization Toolkit (ICT).

Easy On Boarding, available as a QAD Services engagement, simplifies the implementation process by populating most standard data and configuring standard processes. Companies can adjust both data and processes later, but the process streamlines the implementation tasks. For more information about Easy On Boarding, contact QAD Services.

The Easy On Boarding process maps are organized into industry verticals including Automotive, Life Sciences, Industrial, Electrical, Consumer Products, and Food and Beverage. Nodes on the maps include links to Easy On Boarding training, documentation, and other attachments that are provided during a QAD Services engagement.

You can only access the Easy On Boarding attachments if you have a QAD Services engagement for QAD Easy On Boarding.

**Note** The location of the Easy On Boarding attachments is specified by the Attachments setting on the Administration | Process Admin — Process Properties screen. If you do not have a QAD Services engagement and you try to access the attachments from a process map node, you will get a “file not found” error message. However, if you set Attachments to `ProcessViewer.jsp?ProcessName=eob_attachments&f=`, a process map displays instead that lets you know you can only access the attachments if you have a QAD Services engagement.

## Internet Explorer and QAD .NET UI Client Installation

**Warning** The 64-bit version of Internet Explorer does not install the QAD .NET UI client, even if you are running Internet Explorer as an administrator. You must use the 32-bit version of Internet Explorer (typically located in `C:\Program Files (x86)\Internet Explorer\iexplore.exe`) to install the QAD .NET UI client. A situation in which this is likely to occur is when a user inadvertently creates a shortcut to the 64-bit version of Internet Explorer rather than the 32-bit version, and then uses that shortcut to launch Internet Explorer.

## Reporting Framework Sample Reports

When upgrading from a version of the QAD .NET UI earlier than 2.9.4 where the Reporting Framework included six sample reports, note that the six reports have been removed in the newer versions. If you keep the previous menu system data, and the AppServer has the upgraded version without the .p programs (proxies) for the sample reports, you get an error when you launch the reports from the menu. If you no longer need these reports, you can delete them from the menu system using Menu System Maintenance. If you would like to continue to use these sample reports, you can copy the six proxy programs from your previous system to the new system and compile them. Alternatively, delete them from the menu system, and then install the six sample reports included on the Reporting Framework Source CD, following the instructions included with the CD, which is available for download from the QAD Store (see “Reporting Framework Source and Samples on QAD Store” on page 29).

## Configuring Business Intelligence (BI) Portal for Dashboards

This release of the QAD .NET UI includes Dashboards, which bring together browses, web pages, business intelligence, and metrics within panels. If you have QAD Business Intelligence (BI) 3.9, you can include BI panels on dashboards. To have the QAD .NET UI communicate with BI, you need to specify the URL for accessing the BI portal in the client session configuration (`client-session.xml`) file’s `<BI.Dashboard.URL>` setting. The BI portal must be accessible to allow BI panels to be available on dashboards. (If the BI portal is not accessible, the BI panel option will not be available on Dashboards | Create Dashboard.) The setting in `<TomcatHome>/webapps/qadhome/configurations/<environment>/client-session.xml` is:

```
<BI.Dashboard.URL>http://ip_address_of_BI:port_number/qadbi</BI.Dashboard.URL>
```

In addition, to access the BI portal, the login/password for the QAD .NET UI client must match the login/password for the BI portal.

## Operational Metrics for Dashboards

Dashboards can include operational metrics if they are available on your system. QAD provides the Operational Metrics functionality with an active maintenance contract, and a term license key applied to the QAD Enterprise Applications product (see [https://support.qad.com/license\\_keys/activemaintenance](https://support.qad.com/license_keys/activemaintenance)). For more information, contact QAD Support.

## QAD .NET UI Security Configuration

A new chapter (Security Configuration, chapter 5) in the *QAD .NET UI Administration Guide* describes how to configure security for the QAD .NET UI. The topics covered include the following:

- Setting up SSH on the QAD .NET UI
- Setting up Public Key Authentication for SSH
- Setting up SSH for QAD .NET UI terminal mode
- Setting up SSL on the QAD .NET UI Tomcat home server
- Setting up HTTPS for QAD .NET UI Desktop screen display
- Setting up HTTPS for AIA

## Application Changes

### SSH Public Key Authentication (UIGS-668)

SSH supports both password-based and public key authentication. Public key authentication is an authentication method that relies on a generated public/private keypair. The keypair is generated using public key cryptography that has the mathematical property that prohibits the same key from encrypting and decrypting the same message. The keys are used at the protocol level for authentication inside SSH during session creation.

It is important to protect the privacy of the private key file. The private key file can be encrypted with a password to ensure that even if someone were to obtain the private key file it would be useless. The SSH public key authentication implementation supports both password protected and unencrypted private key files.

For more information, refer to the new Security Configuration chapter in the *QAD .NET UI Administration Guide*.

### HTTPS Support (UIG-9078)

In the QAD .NET UI, screens that display in Desktop mode are based on XML representations of Character UI screens. By default, the XML is posted to Tomcat with an HTTP request to the XMLReceiverServlet for use by the QAD .NET UI. Previously, only HTTP was supported, but now you can use HTTPS instead.

For more information, refer to the new Security Configuration chapter in the *QAD .NET UI Administration Guide*.

### Attachment Storage Path for Operating System Sub-directory Limit (UIG-8996)

Operating systems can have an upper limit to the number of files or sub-directories that a directory can have. For example, on some versions of Linux, the limit can be 32,768 (32K). Although this limit is almost never reached, in certain circumstances it is possible to approach it. For instance, if your process of adding attachments to programs in the QAD .NET UI is automated in such a way that an attachment is being added for each invoice, over time the default mechanism for storing the attachment files on the home server can approach the operating system's limit. If you have an automated process for including many attachments and are running the QAD home server on an operating system with a limit that you might exceed, QAD provides an alternative mechanism for storing attachment files.

The alternative approach uses a hashing algorithm such that the number of sub-directories for storing attachments will always be less than 16,384 (16K). With the alternative mechanism, the directory path used for storing attachments (such as invoices) for item numbers in Item Master Maintenance (ppptmt.p) will change from the default path (`attachments/domain_/ppptmt.p_/item-number_`) to (`attachments/32k/domain_/ppptmt.p_/hash/item-number_`).

You can configure whether to use the default mechanism by setting `<Bypass32kAttachmentLimit>` in the client session configuration file (`client-session.xml`). The default value for this setting is false. If set to true, attachments will be stored using the hashing mechanism.

**Note** If you change the setting from false to true, the attachments previously stored using the default mechanism will continue to be available to the system while new attachments will be stored using the hashing mechanism. No conversion steps are needed. However, if you then go back to the default mechanism, attachments stored using the hashing mechanism will not be visible to the system. The attachment files are all still there in the directory structure, but by going back to the default mechanism for storing and accessing attachments from the system, the system will not have the ability to access the attachments stored using the hashing mechanism.

## Reporting Framework Changes

### New Routing Options for Scheduling Reports (UIG-8167)

In the Reporting Framework, when scheduling a report there are additional values that can be specified in the Output File Path and Output File Name fields. These fields now support any report parameter that gets scheduled with the report. Most importantly this includes the values of the report filter fields. To specify one or more of these values use the following notation: `{ $parameter_name }`. As an example, when scheduling a report for Analysis Code Report, if you want to append the value of the Analysis Code filter to the Output File Path, use the following value for Output File Path:

```
{ $RRO_CATEGORY } / results / { $RRO_CODE } / { $USER_ID } / { $tt_an_mstr.an_code }
```

To determine the proper filter field name to use (`tt_an_mstr.an_code` in this example), do the following:

- 1 Open the report in the Report Resource Designer.
- 2 Select the Data tab.
- 3 Expand the Parameters section. Here will be a list of the valid parameters.
- 4 Hover over a parameter to see its full table and field name.  
(You can also see the filter field names and other parameters by using Scheduled Report Parameter Browse and browsing an existing scheduled report.)

**Note** If the value of the parameter being used is a special character:

```
\ ? * : | " > < % ;
```

then that character will be stripped from the value before being substituted into the Output File Path or Output File Name. This is necessary to prevent file naming problems when the report is being saved.

### Reporting Framework Source and Samples on QAD Store

The Reporting Framework Source and Samples download (Reporting Framework Source CD) is available from the QAD Store (<http://store.qad.com>). The download contains sample reports, templates, and portions of the Reporting Framework's Progress code that are relevant for Progress data source developer usage.

This does not include the source code of the data source programs used by the hundreds of new reports that have been developed recently using the framework; it only includes the generic pieces that are part of the framework itself. The download also includes documentation, coding tools, and examples for using the Scheduled Report and Run Report APIs, which allow developers to write applications to schedule or run reports.

## Programs in Terminal Mode Only

Some programs are only available in Terminal mode, which emulates the Character UI within the QAD .NET UI. You navigate the program in the same way as in the Character UI. The following programs are only available in Terminal mode:

- Accounts Not To Convert Maint
- AP Integrity Report
- Archive File Reload
- Call Queue Manager
- Change Deferred/Accrued Accounts
- CIM Data Load Process Monitor
- Combined Integrity Checks
- Compile Programs
- Convert Ship Qty in Ship UM
- Count Program
- Create Records for Printer Output
- Database Connect
- Database Disconnect
- Database Table Size Inquiry
- Debug CIM Document
- Dump Export/Import Doc for Edit
- End User Time Zone Change Util
- Escalation Monitor
- Exit to Operating System
- Export/Import Document Query
- Field Eligibility Maintenance
- Fixed Asset Maintenance
- Fixed Assets Integrity Report
- GL Integrity Report
- GLRW Mismatch A/C Code
- Initial Euro Exchange Rate Copy
- Inventory Integrity Report
- License Registration
- Multiple Time Zones Startup Util
- PO Integrity Report
- Process Import Documents

- Program Level
- Program/Text File Display
- Receive Import Documents
- Reload Edited Export/Import Doc
- Required Ship Schedule Update
- Send Export Documents
- Sequence Maintenance
- Server Time Zone Change Util
- Set Multiple BOL Print Utility
- Ship-From to AR
- Trading Partner Library Load
- Trading Partner Library Unload
- WIP Integrity Report

## QAD Business Intelligence 3.10

**QAD Business Intelligence Version:** 3.10

**Date:** March 2014

### Summary

The QAD BI 3.10 release introduces the following improvements and fixes:

- Onsite data validation reports, which are used to validate the target QAD BI fact table data against the source QAD Enterprise Applications data. This validation is recommended at initial installation and upgrades for business users to confirm that the ETL jobs have completed and are operating as expected. See the *QAD BI 3.10 Installation Guide* for more information.
- Performance improvements
- Fixes to portal and metadata defects

### Upgrade Instructions

See the *QAD BI 3.10 Installation Guide* for the instructions to upgrade to QAD BI 3.10.

### Data Warehouse Tables Changed

The following section lists the Data Warehouse tables that have been changed, added, or deleted.

**Note** The tables on the Modified list may have been changed structurally. For example:

- Columns added or deleted
- Indexes added or deleted
- Changes made to business display names
- Changes to visibility of particular columns in the BI Portal
- Any combination of these modifications
- The procedure that populates the table has changed

### List of New and Modified Tables

#### Common Module - New and Modified Tables

**Note** Some of these tables have moved from the Operations module to the Common module since they are shared by the new SSM module; for example, the tables related to the processing of op\_hist and wo\_mstr.

- |                        |                              |                               |
|------------------------|------------------------------|-------------------------------|
| • dim_item             | • load_wr_route              | • stage_item_list1            |
| • dim_site             | • load_wr_route_hist         | • stage_item_master           |
| • load_op_hist         | • perm_op_hist               | • stage_op_hist               |
| • load_pt_mstr         | • perm_site_working_calendar | • stage_site                  |
| • load_tr_hist         | • perm_transaction_hist      | • stage_site_working_calendar |
| • load_tr_hist_history | • perm_work_order_detail     | • stage_site1                 |
| • load_tr_hist_list    | • perm_work_order_master     | • stage_transaction_hist      |
| • load_tr_hist_remarks | • perm_work_order_routing    | • stage_unit_of_measure       |
| • load_wo_mstr         | • stage_customer             | • stage_unit_of_measure4      |

- load\_wo\_mstr\_hist
- load\_wod\_det
- load\_wod\_det\_hist
- stage\_eam\_site
- stage\_item
- stage\_item\_call\_list
- stage\_wo\_mstr
- stage\_wod\_det
- stage\_wr\_route

#### Financials Module - New and Modified Tables

- fact\_ap\_invoice\_snapshot
- fact\_ap\_voucher\_history
- fact\_ar\_invoice\_history
- fact\_ar\_invoice\_snapshot
- fact\_ee\_ap\_supplier\_invoice\_snapshot
- fact\_ee\_ar\_customer\_invoice\_snapshot
- stage\_ee\_ap\_supplier\_invoice\_snap1
- stage\_ee\_ap\_supplier\_invoice\_snap2
- stage\_ee\_ap\_supplier\_invoice\_snap3
- stage\_ee\_ap\_supplier\_invoice\_snap4
- stage\_ee\_ar\_customer\_invoice\_snap1
- stage\_ee\_ar\_customer\_invoice\_snap2
- stage\_ee\_ar\_customer\_invoice\_snap3
- stage\_ee\_ar\_customer\_invoice\_snap4
- stage\_ee\_ar\_customer\_invoice1
- stage\_se\_ap\_invoice\_snapshot
- stage\_se\_ap\_snap1
- stage\_se\_ar\_invoice\_snapshot
- stage\_se\_ar\_snap1

#### Operations Module - New and Modified Tables

- stage\_inv\_bal\_item\_list
- stage\_inv\_bal\_mth\_current4
- stage\_inv\_bal\_mth\_date1
- stage\_inv\_bal\_mth\_trans1
- stage\_inv\_mth\_end\_cst
- stage\_inv\_mth\_end\_cst1
- stage\_inv\_trx\_chg\_mths
- stage\_po\_order\_snap1

#### Order Management Module - New and Modified Tables

- fact\_om\_booking
- fact\_om\_invoice
- fact\_om\_order
- fact\_om\_order\_history
- fact\_om\_order\_performance
- fact\_om\_shipment

#### EAM Module - New and Modified Tables

- load\_eam\_domain
- fact\_eam\_wo\_order\_history

#### TM Module - New and Modified Tables

There are no TM module changes for this release.

#### List of Tables Deleted

For the BI 3.10 release, there were no tables deleted.

## Enhancements

**Table 12** BI 3.10 Enhancements

Component	QAD Issue	Description
Metadata (Common)	QBI-3656	Additions were made to the common module's dim_item dimension to support the new SSM functionality; but all existing customers should know that dim_item changed, whether they are planning on adding SSM or not, as they get new columns.
	QBI-3722	perm_work_order_routing, perm_work_order_master, and their supporting objects have been moved to the Common module so they can be shared between modules OM and SSM.  Users with OM installed will not notice any difference. These objects have been moved to Common scheduled jobs.  Users upgrading to BI 3.10 or higher without OM or SSM will now receive these objects. There are ways to disable them in the scheduled job runs if there are no plans to install OM or SSM.
Metadata (Financials EE)	QBI-3777	The prior stage table delete in the procedure that updates the AR/AP snapshot tables has been modified so that it is only pulling the distinct source/domain/effective_date/snapshot frequency for deletion instead of matching up every single record in a Cartesian join that creates a lot of unnecessary processing overhead. This should improve performance on these tables during daily runs.
	QBI-3942	Column added and upgrade script provided. Includes changes to the snap1,2,3 table to ensure that when weekly and monthly is chosen, that on days an end of week day is the same as an end of month day, records for both will be created. Until now, a monthly record would be created, but the weekly record would be skipped.
	QBI-3943	Column added and upgrade script provided. Includes changes to the snap1,2,3 table to ensure that when weekly and monthly is chosen, that on days an end of week day is the same as an end of month day, records for both will be created. Until now, a monthly record would be created, but the weekly record would be skipped.
Metadata (Financials EE and SE)	QBI-3628	Business key sequence has been reordered to take advantage of the business key during the deletion process. Key sequence for both AR/AP snapshots in both SE and EE environments is now source_system_code, domain_code, effective_date and snapshot_frequency, then the rest of the business key columns.
Metadata (Financials SE)	QBI-3653	Changed the logic that was improperly flagging records with a zero amount_open. The old logic had been setting the dss_current_flag to N and leaving the dss_history_end_date with its future end date.  The new logic leaves the dss_current_flag as Y and sets the dss_history_end_date to the dss_history_begin_date for that row. This ensures that the record appears in the snapshot table for only one period and does not keep reappearing period after period.
	QBI-3771	The prior stage table delete in the procedure that updates the AR/AP snapshot tables has been modified so that it is only pulling the distinct source/domain/effective_date/snapshot frequency for deletion instead of matching up every single record in a Cartesian join that creates a lot of unnecessary processing overhead. This should improve performance on these tables during daily runs.
Metadata (Multimodule)	QBI-3679	perm_op_hist and all supporting tables have been moved to the Common module.  A new auto test has been written to ensure that this table is available in the SSM module.
	QBI-720	The Daily load of tr_hist data will now pick up data from any domain, including new domains. Previously the load_tr_hist table included in its Where clause a list of previously loaded domains for each source, so it would only load new records that were from previously known domains. That clause has been removed, so new records from new domains will also be loaded in daily loads.
Metadata (Order Management)	QBI-3407	Set+Cursor updates removed from Order Management staging. All fact tables will now use "Unknown" zero-key dimension record when the dimension cannot be identified in the ERP master data. For example, if an order contains an item that does not appear in item master, a dim_item record will not be created to simulate it. The order will instead reflect the generic unknown item. This is a minor loss in functionality that will create a major performance benefit during each DAILY scheduled job run.

**Table 12** BI 3.10 Enhancements (continued)

Component	QAD Issue	Description
Metadata (Purchasing)	QBI-3980	A job named UPGRADE_39_TO_310_PO_SNAPSHOT_FOR_B_TO_M has been included in the BI 3.10 Operations Module Upgrade Application. If you have been running the Purchasing Snapshot for both weekly and monthly periods (that is, PO_SNAPSHOT_FREQUENCY is set to B for Both), and you want to change that to just Monthly (M), you can change your parameter value. Then, run the UPGRADE_39_TO_310_PO_SNAPSHOT_FOR_B_TO_M job to remove the unwanted Weekly records from the snapshot table and therefore reduce both the amount of space being taken up by the Purchase Order Snapshot table and the time it takes to process the snapshot table each day.
Portal	QBI-3341 & QBI-3344	Previous versions of the BI Portal did not correctly pass parameter values when drilling from a report to another report. This has been fixed and the correct parameter values will be passed.
	QBI-3877	Unicode values in reports will now export properly to PDF and to Excel. Note that this requires the existence of Arial Unicode MS fonts on the BI Portal server. If this font is not available on the Tomcat server, a different Unicode font will need to be provided. In this case, the font-extensions file (in the Portal web application's WEB-INF\classes directory) should be modified to reference the preferred Unicode font.

## Fixes

**Table 13** BI 3.10 Fixes

Component	QAD Issue	Description
Cubes	QBI-2449	<p>When viewing the OLAP cubes in Analysis Services, the correct dates should be seen when using moving_fin_year or moving_cal_year within a date dimension. This correction has been made to all OLAP date dimensions, and the three OLAP cubes—Inventory, Purchasing, and Sales—have all been refreshed with the corrected dimensions. Note that if you have customized any of these cubes in your own environment you will need to save a copy of your own cubes, as they will be overwritten when you install the BI 3.10 upgrade.</p> <p>Previously when using moving_fin_year or moving_cal_year some incorrect dates would be included in the "Current" or "Previous" year. This was due to dimension relationships that the BI DWD tools sets up automatically when OLAP date dimensions are created. Moving_fin_year and moving_cal_year were getting dimension relationships set up automatically that should not be there. These unwanted dimension attribute relationships have been removed for all OLAP date dimensions.</p>
Metadata (Capacity Plan)	QBI-3849	Added a new stage and perm table to manage the site_working_calendar used for determining performance dates in the PO process. This should improve the processing time of the Purchasing Performance job. Previously, this determination of whether PO receipt was within the threshold for 'on-time' used a view, which was less efficient. The jobs HIST_COMMON_PERM_CHAINED and DAILY_COMMON_PERM_CHAINED have been modified to process the new stage and perm tables (this processing must happen after perm_shop_cal is processed).
Metadata (EAM Maint)	QBI-3526	EAM History loads no longer check history date for "last time ran".
	QBI-3670	<p>When an EAM work order is in (C)losed status, fact_eam_wo_history.dss_history_end_date now reflects the last changed date of the work order instead of the default '2999-12-31'. The 3.9 to 3.10 upgrade script will update all the records in this fact table with the correct dss_history_end_date.</p> <p>Since the snapshot table and other related tables do not depend on the dss_history_end_date field, no other changes have to be applied for this fix.</p>

Table 13 BI 3.10 Fixes (continued)

Component	QAD Issue	Description
	QBI-3706	<p>Cross traffic between ERP and EAM calendar sources has been eliminated by adding truncates to these tables in these jobs:</p> <p>Truncate tables:  stage_date_qad3  stage_eam_date_qad3  dim_date_qad processes in:  DAILY_COMMON_PROCESS_CHAINED  DAILY_EAM_PROCESS_CHAINED  HIST_COMMON_PROCESS_CHAINED (twice process, once custom)  HIST_EAM_PROCESS_CHAINED</p>
	QBI-3873	<p>The load_eam_domain task will now work properly for EAM applications running on Progress Open Edge v 11.</p> <p>One key change with Progress Open Edge v11 is that the word "domain" is now a Progress SQL Reserved Word; since "domain" is also the name of a table in EAM, whenever this table is referenced in a SQL query it now must be enclosed in double-quotes.</p> <p>Prior to this fix the load_eam_domain task would fail with SQL error 10713 Syntax error in SQL statement at or about ".domain".</p>
Metadata (Financials EE)	QBI-3118	<p>Starting in BI 3.10, all customers will be in the dim_customer_ship_to dimension view. This will ensure the best reporting data possible for Financials EE tables showing customers.</p> <p>Prior to this fix, some ship to customers were set to 'Unknown'. This change will prevent this from happening in the future when the customer record is anywhere in the table.</p> <p>For customers who historically loaded financials in BI 3.9 or earlier, unknown customers can only be corrected in the table by truncating the fact table and reloading from the perm.</p>
Metadata (Financials SE)	QBI-3905	<p>Have addressed a myriad of issues with the history tables and their subsequent snapshot tables.</p> <p>In the History table, records with a zero balance that are the last version of the record are now flagged as current and have their end date set to the begin date.</p> <p>As a result of this the snapshot tables picks up the closed order in only one period and not in subsequent periods (which previously had been appearing month after month and year after year, creating an ever growing number of records to process daily).</p>
Metadata (Inventory)	QBI-2859	<p>The fact_inv_mth_balance will now be populated with proper data in the total_unit_cost_base field when there is no tr_hist record available for a particular item.</p>
	QBI-3898	<p>This code was reworked to work more efficiently. Customers with large data sets that are finding slowness populating this table may benefit from implementing this changed code.</p>
	QBI-3899	<p>This logic was finding the appropriate transaction costs for all periods back to the beginning of the Inventory month balance start time on all daily runs even if it only needed to do so for one or two prior months. This code was re-written so that it would only go as far back as is appropriate for the periods necessary for the daily run. This ensures faster run time and less required space and processing power, especially if there is a large number of items in the system.</p>
Metadata (Multimodule)	QBI-3775	<p>Truncate of stage_date_qad3 added to DAILY/HIST_COMMON_PROCESS.  Truncate of stage_eam_date_qad3 added to DAILY/HIST_EAM_PROCESS.</p>
	QBI-3871	<p>Changes made to any function that had a varchar or char data type instead of nvarchar. This ensures that Unicode characters can pass through functions and implicit data conversions that cause index usage to fail is avoided.</p>

**Table 13** BI 3.10 Fixes (continued)

Component	QAD Issue	Description
Metadata (Order Management)	QBI-3673	In BI 3.9, a few new fields in fact_om_order_history—the scheduled_order_flag, consignment_flag, and ssm_flag fields—are set as Attributes but the EUL flag is N so these are not visible in the Portal.  In BI 3.10, this has been corrected; the EUL flag is Y for these three fields so that they will be visible in the BI Portal.
Metadata (Purchasing)	QBI-3328	Upgraded date processing logic now includes fact_po_order snapshot records from the current day as well as better managing crossovers between Weekly and Monthly snapshots when (B)oth is selected.  Users upgrading to BI 3.10 can run the OP Upgrade script to wipe out the snapshot table and rebuild it from the history table to see changes.
	QBI-3576	Corrected the Divide by Zero error in stage_op_transaction1.material_cost_scrap by applying CAST(x AS FLOAT) to operands.
	QBI-3945	The default value for PO_SNAPSHOT_FREQUENCY is now "M" (for "Monthly"). In previous versions, the default value was "B" for "Both Monthly and Weekly" - if left as "B" when the customer did not really need weekly snapshots the customer could find their snapshot table (a) getting large rapidly and (b) taking longer to process due to the excess weekly snapshots. The default for new installations will now be Monthly so that a customer must make the explicit choice if they want both Weekly and Monthly snapshots (understanding that this will result in a larger table that takes longer to process).
Portal	QBI-3879	Prior versions of the BI Portal did not correctly handle numeric parameters on BI Reports. This has been resolved in BI 3.10.

## QAD Configurator 5.5

**QAD Configurator Version:** 5.5

**Release Date:** March 2014

**QAD Product Suite Compatibility:** eB2.1 SP4, QAD 2007, QAD 2007.1, QAD 2008 Standard and later, QAD 2008.1 Enterprise and later

### Documentation Updates

The following documents have been updated for this release:

*User Guide: QAD Configurator* (new item number 70-3189-5.5); *Installation Guide: QAD Configurator* (new item number 78-0914-5.5)

### New and Changed Features

- Multi-language Support for Functional Group Name
- Multi-language Support for Variable Options
- Multi-language Support for Feature Options
- Multi-language Support for User Messages
- Questionnaire Display in Desired Language
- Translation Records During Model Import/Export
- Performance Enhancements for Configuration Analyzer
- Performance Enhancements for Configuration Questionnaire
- Performance Enhancements for Configuration Rebuild

#### Multi-language Support for Functional Group Name

In Functional Group Maintenance, you now can enter the Functional Group name in any of the QAD-supported languages. You can also maintain the Functional Group name in multiple languages by using the String Translation button.

#### Multi-language Support for Variable Options

In Variable Maintenance, you now can specify option questions and option answers in any of the QAD-supported languages. You can also maintain the questions and answers in multiple languages by using the String Translation button.

To display the question of each variable in each language, you can use Variable Language Browse. To display the answers of each variable option in each language, you can use Variable Option Language Browse.

#### Multi-language Support for Feature Options

In Feature Maintenance, you now can specify option questions and option answers in any of the QAD supported languages. You can also maintain the questions and answers in multiple languages by using the String Translation button.

You can copy the translation records from an existing configurable item to a new configurable item.

To display the feature questions that you have set up for each language, use Feature Language Browse. To display the feature option answers that you have set up for each language, use Feature Option Language Browse.

If you do not set up the translations in Feature Maintenance, the questionnaire displays the translated records that you have set up in Variable Maintenance.

### Multi-language Support for User Messages

Now you can enter user messages and message box titles in any of the QAD-supported languages.

### Questionnaire Display in Desired Language

When you have set up multiple language records for functional group names, option questions, option answers, and user messages, the questionnaire now shows in the language of the questionnaire respondent.

For Configurator 5.4 or 5.4.1 users who used option comments for multi-language questionnaire purposes, you can now get the desired questionnaire without using the comments. QAD also provides a tool to convert your previous multi-language comments into translation records.

### Translation Records During Model Import/Export

During Model Import/Export, the data packages now include translation records for functional group names, option questions and answers, and user messages.

### Performance Enhancements for Configuration Analyzer

There are some performance improvements to the Analyzer.

### Performance Enhancements for Configuration Questionnaire

There are some performance improvements to the Questionnaire.

### Performance Enhancements for Configuration Rebuild

In Configuration Rebuild, there are some performance improvements to the Configuration Browse.

## Fixes

Issue Number	Fixes
CFG-1655	A problem with the Site Variable field in Configuration Rebuild is fixed.
CFG-1660	Previously when the parent configuration had component-level configurable items, there was a problem with pricing rebuild. Now the problem is fixed.
CFG-1689	Previously, when an option was frozen, the system did not disable the radio button for the option. Now the problem is fixed.
CFG-1693	Previously during configuration reloading, the system variable sysConfigurationID was always blank. Now the problem is fixed.
CFG-1694	Previously during variant creation, the system created duplicated res_mstr records. Now the problem is fixed.
CFG-1700	Previously, even though Long question was set in Customize the Questionnaire, the questionnaire did not display long questions as default. Now the problem is fixed.

Issue Number	Fixes
CFG-1703	<p>Previously there were some option visibility issues. Now the system can:</p> <ul style="list-style-type: none"> <li>• Differentiate non-selectable options from non-visible options.</li> <li>• Control option visibility by rules.</li> </ul>
CFG-1704	<p>Previously, for a variable of Element type, the maintenance form did not display original the field linked to the variable, but instead the first field in the table. Now the problem is fixed.</p>
CFG-1735	<p>Previously when a Date field was not set on the first function group tab, the field size became zero. Now the problem is fixed.</p>
CFG-53	<p>A problem with missing data in Model Import/Export is fixed.</p>
CFG-75	<p>A problem with Rule Assistant Data not refreshed after the group change is fixed.</p>
CFG-78	<p>Previously, due to the constraint of Progress segment size, the system could not compile the generated .p files. Now the problem is fixed.</p>
CFG-79	<p>A problem with Rule Assistant Data not being refreshed after the group change is fixed.</p>
CFG-80	<p>Previously, if the SO type for the top-level item was Phantom, the system did not generate the routing. Now the problem is fixed.</p>
CFG-81	<p>A problem with handling record lock conflicts in Configuration Rebuild is fixed.</p>
CFG-82	<p>A problem with corrupt variant product structure rules during model import or export is fixed.</p>
CFG-83	<p>A problem with the Order Existing Variant Item icon is fixed.</p>
CFG-85	<p>Previously when SO Detail rules were in use, there was a problem with the variant item creation. Now the problem is fixed.</p>
CFG-86	<p>A problem with European numeric format during configuration analyzing is fixed.</p>
CFG-87	<p>Previously when the questionnaire respondent did not have access to Item-Site Planning Maintenance, the Configurator did not create item-site planning records. Now the problem is fixed.</p>
CFG-88	<p>A problem with date fields in Variant Item Data Rule Maintenance is fixed.</p>
CFG-89	<p>A problem with item-site planning records not being exported is fixed.</p>
CFG-95	<p>Previously when all configuration keys were removed, the menu Manual Configuration Maintenance could not be opened. Now the problem is fixed.</p>

## QAD Customer Management Reports 1.6

**Customer Management Reports and Browsers Bundle Version:** 1.6

**Release Date:** March 2014

**QAD Enterprise Applications Compatibility:** QAD Enterprise Edition 2011 and later

**Related Documentation:** The *Reports and Browsers Bundles Installation Guide* is provided on the product delivery media. It is also available on the Documentation area of support.qad.com under the Installation-Conversion topic for your Enterprise Edition version.

### New and Changed Features

Call Print and Call Print with History now include status for call lines and optionally include status history for calls, similar to Call Detail Inquiry.

### Fixes

Issue Number	Fixes
CMRF-1014	A problem with the variance percent calculation in the Customer Ship Schedule Variance browse is fixed.
CMRF-1016	Some problems with the Reporting Framework version of Pending Invoice Register are fixed: <ul style="list-style-type: none"> <li>• Previously, if the search started from a sales order, the report displayed only the pending invoice for that order. Now the report displays all pending invoices starting with the order number entered.</li> <li>• Previously for a range of sales order numbers, the report displayed only the first pending invoice in the range. Now the report displays all pending invoices in the range.</li> <li>• Previously the general ledger transaction summary did not include the receivable accounts. Thus the sum of the debit column did not equal the sum of the credit column. Now the debits equal the credits.</li> <li>• Previously the report did not populate values in the pending invoice trailer frame and did not display the trailer charge labels. Now the problems are fixed.</li> </ul>
CMRF-1017	Previously, the Sales Orders to Ship tab in the Sales Management Center did not have a Reports button or any child browses. Now the Sales Orders to Ship tab in the Sales Management Center has the same Sales Orders to Ship browse collection as in the Shipping Center and Customer Service Management Center.
CMRF-1020	Previously, the Reporting Framework version of Sales Quote Print did not display the Customer Item. Now the problem is fixed.

## QAD Customer Self Service 5.3

**QAD CSS Version:** 5.3

**Release Date:** March 2014

**QAD Product Suite Compatibility:** eB2.1 SP2 through SP4, QAD 2007, QAD 2007.1, QAD 2008 Standard Edition and later, QAD 2008 Enterprise Edition and later

### Documentation Updates

The following documentation has been updated for this release:

*Administration Guide: QAD CSS* (new item number 70-3188-5.3); *Implementation Guide: QAD CSS* (new item number 70-3187-5.3); *Installation Guide: QAD CSS* (new item number 78-0887-5.3)

### New and Changed Features

The CSS user interface is now more user-friendly and more flexible with styling options. Thus, web designers have more flexible ways to implement design changes to CSS web pages.

#### New Style Sheet Structure

- There are now no hard-coded styles for graphics, icons, or colors. There is also no cell-padding or cell-spacing as table layout options. Instead, cascading style sheets are available for flexible design use.
- Now you can use the cascading style sheets to customize the header/footer, horizontal drop-down menus, corners, and buttons.
- With the new cascading style sheets, you can position HTML elements anywhere on the screen.

#### Styles Rationalized

- Now there are more styles in the super UI layer.
- The new cascading style sheets have the HTML element `<DIV>` for more styling flexibility.
- Due to the improved style sheets, now the system can highlight fields that fail validation.

#### New System Registry

Previously, the general cascading style sheet file `gen_webpro.css` was hard-coded. Now for you to easily configure the general cascading style sheet file name, there is a new system registry *stylesheet*. The default value for the registry field is `qad_style.css`.

#### Enhanced Calendar

For all date fields, there is now a calendar. The UI of the calendar is also enhanced for better user experience.

#### Enhanced HTML E-mail Experience

Now by using Detail Master E-Mail Maintenance, administrators cannot only add custom e-mail events and content of the e-mail, but also add a header and footer for the e-mail.

## Browser Support

The system now supports Internet Explorer 10. We also have certified QAD CSS for the latest versions of Chrome, Opera, and Safari.

## Fixes

<b>Issue Number</b>	<b>Fixes</b>
CSS-536	Previously, data sources allowed users to enter values that were not valid. Now precautionary measures are taken to prevent data corruption.
CSS-540	Previously, the system registry data had <i>ERP3_2</i> as the QDoc version, but the system only accepted <i>ERP3_1</i> . Now the problem is fixed.
CSSS-44	Previously, configuration type was not picked by the system in order submitting. Now the problem is fixed.
CSSS-45	Previously, when users clicked the Forgot Password button and expected an e-mail message to retrieve the password, the system sent e-mail to a wrong user. Now the problem is fixed.
CSSS-46	Previously there was a variable defined as INTEGER, but it could not store larger values. Now the problem is fixed.

## QAD Enterprise Asset Management 12.7

**Product Name Version:** 12.7

**Date:** March 2014

**QAD Enterprise Applications Versions:** Enterprise Edition 2009, 2009.1, 2010, 2010.1, 2011, 2011.1, 2012, 2012.1, 2013, 2013.1, and 2014; Standard Edition 2008, 2009, 2010, 2011, 2012, and 2013.

**Languages Supported:** English, Latin American Spanish, Castilian Spanish, Czech, Polish, French, German, Brazilian Portuguese, Simplified Chinese, Korean, Bulgarian, Hungarian.

### Upgrade Instructions

To upgrade to EAM 12.7, see the upgrade instructions supplied with the release media.

For all other installation information, see *Installation Guide: QAD Enterprise Asset Management*.

### New Feature Summary

This section describes the new features that are available in EAM 12.7.

#### MS Project Interface

EAM 12.7 provides an interface with MS Project 2007 to export and import EAM work orders for scheduling purposes. It is managed from the Work Order browse action menu. This enhancement provides maintenance planners with a graphical scheduling tool to assess resource constraints and to quickly create a maintenance schedule for the day, week, or month.

It is crucial for planners to have a planning tool to make the best use of labor availability. The MS Project integration is designed to provide a visual display of work orders on a calendar where the schedule can be shifted and changed as needed. Planners will have an easy way to view employee hours and availability, assign resources, change start dates and priorities, and so on. This enhancement makes it possible to identify over-allocated resources and utilize labor resources to their capacity. Once all resources are allocated and schedule dates adjusted, the work orders are imported back into EAM's work order module with updates made in MS Project.

#### Blanket Order Release Accounting Override

EAM 12.7 introduces the Blanket Order Release Expense Accounting Override enhancement, which provides an option to change the default expense accounts when creating a release against a blanket purchase order. Before this update, EAM only looked to the blanket order line's accounting on release. But with this enhancement, buyers can modify the expense charged to the release to a WO, project, and job, or a specific cost center, account, and sub-account. The selection made at release follows through to the released purchase order for that one purchase.

#### Chart of Accounts (COA) Approvals Matrix

The Chart of Accounts (COA) Approvals Matrix provides additional flexibility when setting up purchase requisition approval groups where a customer has organized approvals based on the combination of cost center and sub-account. This enhancement is designed for customers that need the flexibility to route a purchase requisition approval to an approval group based on a specific cost center and/or sub-account

combination. The previous requisition approval method only looked at a single cost center or account, and it did not include sub-accounts.

If the COA matrix is filled, the system compares the requisition's cost center and/or sub-account combination to the COA matrix and—if there is a match to the Requisition—the approval is routed to the group indicated here. Otherwise, EAM looks to the requisition approval method for the system's site and routes accordingly.

### **Return to Vendor by Receipt**

The Return to Vendor by Receipt enhancement provides the ability to return multiple lines at one time. This allows users to match up a return to vendor with a specific purchase order receipt, resulting in more accurate reconciliation with accounts payable. With this enhancement, users can return multiple lines at one time with the added flexibility of filtering based on a packing slip, receiver number, or receive date. When users filter on one of these items, EAM displays receipts that are linked to the packing slip, receiver, or ship date.

Before this enhancement, returns or reversals were done using the Return to Vendor action and selecting a specific line to return. If multiple receipts occurred for this line, there was no visibility into which receipt transaction the user actually wanted to return.

### **Improvements to Existing Functionality**

This section describes the improvements that have been made to existing functionality for EAM 12.7.

#### **Create a Purchase Requisition from Inventory**

A new Action has been added to the Inventory module called Create Requisition. This feature automatically creates a new purchase requisition by defaulting data from the part record rather than having the user create a requisition header from the Requisition module first and then add the line.

#### **Print Purchase Orders in Vendor's Language**

EAM 12.7 provides the ability to print a PO in the language specified on the vendor record. All PO labels are presented in the vendor language.

#### **Use Buyer Limit Functionality for Blanket Orders**

Enforce Buyer Limit allows users to set an option for the Domain that if a buyer increases or decreases the value on a PO within a specified amount or percentage, a re-route for approval is not required. This feature allows some flexibility for the buyer to make small changes without having to go through the entire approval process again. This functionality can also be used for Blanket Orders by also selecting Enforce Buyer Limits for BO on Domain when Enforce Buyer Limits is also selected.

#### **Print Standard Clauses on Blanket Order Document**

EAM 12.7 provides the ability to print a PO in the vendor's language, which defaults from the vendor. All PO labels are printed in the vendor language.

## Consignment Inventory Corrections

After a complete review of remaining gaps in Consignment functionality migrated to EAM 12 from version 11, the functionality has been updated by addressing defects and implementing consistent presentation of consignment information for inventory and purchasing transactions.

## Blanket Order Notification when Updates Are Made to Lines

EAM 12.7 improves e-mail notifications for blanket orders so that when an authorized blanket order line has been changed or added, such as a change in price, an e-mail is automatically sent to the buyer.

## All PO/Requisition Revisions

EAM 12.7 introduces the new All PO/Requisition Revisions browse, which provides a combined list of all revisions performed against a PO, including changes to the PO header, the associated requisition headers, and associated requisition lines. Before EAM 12.7, a user could see the revisions for only one PO header or requisition. The new All PO/Requisition Revisions browse provides a consolidated view of revisions made to a PO and/or requisition, including each respective line.

## Upgrade Notes

### Preserving Custom Report Layouts

This upgrade completely refreshes the report repository. If you have customized reports or prints:

- Reapply your changes after the upgrade. Inform your system administrators before performing this upgrade.
- or,
- A tool is available from the QAD's EAM Support group that helps export report layouts before the upgrade begins and imports them again after the upgrade is complete.

The following report templates have been updated (most recent update):

- PO Document Print (12.6.0.1)
- Open POs Not Yet Received (12.6.0.1)
- Equipment Downtime Summary (12.6.0.1)

### Revisit Role Setup

New options have been added to the security roles. When the upgrade is complete, review your existing roles to verify that they are set properly.

### Roll Changes - Maintenance

Role changes have been made to the following:

- Maintenance|Equipment|Equipment|Global Edit
- Maintenance|PM/PdM|PM Templates|Global Edit
- Maintenance|Master Lists|Instruction Lists|Instruction Lists|Global Edit
- Maintenance|Master Lists|Parts Lists|Parts Lists|Global Edit
- Maintenance|Work Orders|Work Orders|Global Edit

## Roll Changes - Purchasing

Role changes have been made to the following:

- Purchasing|Purchase Orders|Purchase Orders|All PO/Req Revision
- Purchasing|Requisitions|Requisitions|All PO/Req Revision
- Purchasing|Requisitions|Requisitions|Global Edit
- Purchasing|Blanket Orders|Blanket Orders|BO Clause
- Purchasing|All PO/Req Revisions

## Roll Changes - Finance

Role changes have been made to the following:

- Finance|Accounting|COA Requisition Approval

## Roll Changes - General

Role changes have been made to the following:

- General|Business Units|Domain|Sites|Modify Sites Entity

## Roll Changes - System Administration

Role changes have been made to the following:

- System Administration|Users|Global Edit
- System Administration|System Control|Telnet Options
- System Administration||Progress Editor

## Enable Progress Editor in the EAM Plugin

A new Action called Telnet Options was added to the System Control browse. This action is used to maintain the system information needed to support the Progress Editor added in QAD issue EAMNET-9552, Enable Progress Editor in the EAM Plugin. These options control everything from which server is accessed to what ID and password are used to log in and even what keyboard strokes are automated so that EAM can automatically open the character-based Progress Editor from the server's command line.

**Table 14**  
Telnet Options

Field Name	Setting
Host Name	DNS name or IP address of the EAM DB server
Login ID	Login ID used to log into the EAM DB server (for example mfg)
Host OS	UNIX or Windows NOTE: Reserved for future use, select UNIX (Windows is not supported)
Password	Password used to log into the DB server. NOTE: The password is encrypted before it is stored in the database.
Port No	DB Server's SSH port (usually 22)
Domain	Reserved for future use
Script Timeout	Reserved for future use; leave this at 240
Idle Timeout	Reserved for future use; leave this at 240
Script 1 Pattern	This is the pattern EAM is looking for before it runs Script 1 Value. Usually this the OS's command line prompt. Example: \$

Field Name	Setting
Script 1 Value	The command line value to enter once EAM sees the DB server write Script 1 Pattern. This should be used to run mpro and pass it the .pf file used by the EAM appserver. <b>Note:</b> Place a period followed by a space ( . ) at the beginning of this line so that the Progress Editor window will close after the Progress session ends. Without this, users will be left at the server's command prompt... Example: . mpro -pf /qadapps/eam/pf/eamtest.pf
Script 2 Pattern	(Optional) This is the next pattern EAM is looking for. It will run Script Value 2 when it sees it. This can be used to skip through Progress messages related to codepage, if they occur. Example: Press space bar to continue.
Script 2 Value	The keyboard strokes / text that EAM will automatically write to the telnet session when Script 2 Pattern is detected. An example would be a space (" " without the double quotes).
Script 3 Pattern	(Optional) If more keyboard automation is required, EAM will look for this pattern.
Script 3 Value	(Optional) If more keyboard automation is required, EAM will automatically enter these keystrokes when Script 3 Pattern is detected.
Script 4 Pattern	(Optional) If more keyboard automation is required, EAM will look for this pattern.
Script 4 Value	(Optional) If more keyboard automation is required, EAM will automatically enter these keystrokes when Script 4 Pattern is detected.
Min Connections	Reserved for future use
Max Connections	Reserved for future use

During implementation, the system admin should use a terminal program (PuTTY or similar) to log into the DB server using Login ID and Password to see what the prompt is and better understand what Script Value 1 should be and, if necessary what Script 2 Pattern and Script 2 Value should be.

## Customer-Reported Issues Resolved

The following customer-reported issues have been resolved in this release.

### Fixes and Enhancements - EAM 12.7

**Table 15**

Fixes and Enhancements for EAM 12.7

Component	QAD Issue	Description
Analysis	EAMNET-25 96	Consignment Inventory: Transformation of the Consignment Transactions by Vendor Report.
	EAMNET-3356	Added report System Administration/Role Users to print the role and the users attached to the Role.
	EAMNET-5643	Consignment Transaction by Vendor now only displays consignment inventory parts.
	EAMNET-7065	When a new Quote is added for a part the PO Text on that part prints on the Quote Document.
	EAMNET-7257	Introduced Downtime Summary report. Filtering is available based on Equipment data.
	EAMNET-8673	Purchase Order Print: when selected from the PO browse, the Document Print action, prints the PO with all labels translated to the Vendor's language. Note the main menu's Analysis Purchasing Purchase Order Print only prints in the user's default language.
	EAMNET-9582	The dollar total on the Consignment Transactions by Vendor report is now correct.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
Browse	EAMNET-2815	In the Requisition browse, if the user right-clicks on the column header and chooses Sort Columns, and clicks OK, the Requisition browse does not blank out. Previously, that same scenario caused the browse to display a big red X.
	EAMNET-7889	If a new browse is created and a sort is applied to one of the columns, then on saving the browse no columns are deleted. Previously some of the columns were deleted.
	EAMNET-9311 EAMNETS-627	Export to CSV in option ALL PO LINES works correctly when Windows language is set as Polish (non US language).
Browse, Maintenance	EAMNET-9035	We have limited the Downtime Hours Down field display to 2 decimals in the Downtime Browse and the All Downtime Browse.
Client UI	EAMNET-9824 EAMNETS-692	Update NumericBox.cs and NumericLookup.cs so that on entry (whether tab or click) the entire text value is highlighted.
Data Entry	EAMNET-9172	On Store requisition line, there is an option available to select/enter the location from where inventory can be issued.
Finance	EAMNET-10007	Project could not be deleted if the field "Estimation to complete" was entered on the project. The value was just displayed on the UI but not saved. The solution is based on the fact that the value of this field is also stored in database.
	EAMNET-6937	Incorrect rounding error GL transaction was created when Costing methods set to FIFO and Non Stock Item received. Now rounding error entry is created correctly in the above scenario.
	EAMNET-7648	During status change, the validation was changed to ignore WOs of the same state; that is, the to and from state.
	EAMNET-7910 EAMNETS-529	Requisition menu now takes less time to save the newly added requisition line to existing requisition when requisition has more than 700 jobs attached to it.
	EAMNET-7912 EAMNETS-524	In Project Jobs, we now only allow the creation of a Fixed Asset to be sent to the ERP if the Job is a Capital type Job. Creating Assets from the Project itself already behaved this way.
	EAMNET-8078 EAMNETS-558	The following changes have been made: <ul style="list-style-type: none"> <li>• When deleting jobs that have not had any transactions against them, return the following message to the user: "Are you sure you want to delete Job "x".</li> <li>• If transactions have occurred against the job, do not allow the delete and provide the following message: "Cost has been posted against Job X, delete not allowed".</li> </ul>
	EAMNET-8080 EAMNETS-553	You can now correctly enter a date in the Find field
	EAMNET-8165	Modify Job Capital Asset returns "Error: fab_det does not exist" when the fixed asset being modified as depreciation posted (fa_mstr.fa_post = "yes").
	EAMNET-8325	In the Project menu, the Refresh action now correctly calculates AP Variance and AP Invoice amounts or multi-line PO having multiple Projects. Previously in the above scenario, AP Variance and AP Invoice amounts were incorrectly calculated for Projects.
	EAMNET-8339	Corrected an issue that was causing the Tax Accrual GL Transactions to be created with a blank reference number, or a reference that just had the letters "MI" instead of the correct reference number, which is "MI" plus the Date Stamp.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-8518 EAMNETS-592	Inventory Adjust and Relocate now creates Inventory Transactions with correct comment. Previously in the above scenario, comment field in Inventory Transactions was null.
	EAMNET-8534	Added a field Amt to Receive on the Material and Contract detail tabs for Project/Job Cost Analysis to show the remaining amount to receive. The Amt to Receive is calculated as: (PO quantity ordered - quantity Received - quantity Canceled) * PO Order Cost
	EAMNET-8864 EAMNETS-529	Requisition menu now takes less time to save the newly added requisition line to existing requisition when requisition has more than 700 jobs attached to it.
	EAMNET-8912	In the Project menu, the Refresh action now correctly calculates AP Variance and AP Invoice amounts or multi-line PO having multiple Projects. Previously in the above scenario, AP Variance and AP Invoice amounts were incorrectly calculated for Projects.
	EAMNET-9048 EAMNETS-394	Corrected errors in the Return to Vendor functionality, when a return was performed for a part that had an Order UOM that was different from the Issue (or Inventory) UOM. The errors corrected were: <ul style="list-style-type: none"> <li>• Rounding transactions were incorrectly created, with amounts that were too high.</li> <li>• Location quantity on hand was updated incorrectly.</li> <li>• LIFO/FIFO quantities were incorrectly assigned at times.</li> <li>• LIFO/FIFO cost was also sometimes incorrectly assigned.</li> <li>• The Planned and Ordered quantities for the part were being incorrectly assigned.</li> <li>• The returned and open quantities on the Purchase Order Lines were being incorrectly assigned.</li> </ul>
	EAMNET-9053 EAMNETS- 581	Issue inventory across sites now post GL transactions to both sites and ERP. Previously, GL transactions were not posted in ERP and sites.
	EAMNET-9065	When a project is referenced by any other business entity, then project cannot be deleted. Error message preventing deletion is displayed.
	EAMNET-9285	Receive error message and project cannot be deleted if it contains a Spending Limit.
	EAMNET-9491	The system displays the Project warning limit when posting labor. If the project notify field is not blank, the user sees the project warning limit message and an e-mail message is sent to the Project notify person. Previously, when the PO was ordered, the Project warning limit message was given. The system was not designed to give the message when adding the requisition line.
	EAMNET-9510	Nexteer JD: EAM Req Routing by COA Combination
	EAMNET-9530 EAMNETS-655	Deleting a project now deletes the expense accounts associated with it. Previously, the expense accounts were not deleted.
	EAMNET-9535 EAMNETS-654	Requisition Line displays a warning message to the user when the Total Spent of the Project/Job will exceed the Warning Limit. Also, an e-mail is sent to the person defined in Notify under Project. Previously, no message was displayed.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-9560 EAMNETS-673	When the authorized amount is changed on either the project or the job, the same calculation logic is used for both. We should only add the difference of the new amount to the total calculation for the validation, not the entire amount of the old and new amount combined.  Now, when the Purchase order Order Added or Modified Lines action is clicked, the correct message is displayed in terms of project/job validation.
Finance, Integration	EAMNET-7518	The Invoice Amount on the Projects Invoices sub-menu now displays the correct invoice amount when discount is entered on the sales order trailer. Previously, it displayed sales order line amount without including the discount.
Finance, Inventory	EAMNET-7094	Stocked Item quantity adjusted to 1 at the rate \$10 and received quantity 1 at price \$10.01 then issued both the quantity 1 by one and make on hand quantity to zero. In this scenario there should not be balance for inventory account in Posted GL transaction considering costing method is Weighted Average on Domain.
General	EAMNET-5898	Because there was no dependent code, removed the following fields from Domain: Require CC, Require Acct, and Require Sub-Acct.
	EAMNET-9049 EAMNETS-629	In the Physical Inventory menu, if a user presses the tab key on the last editable field, the cursor moves to the first editable field in the next line if that line is not closed and can be edited.
	EAMNET-9320 EAMNETS-624	When integrated with QAD EE, EAM now includes validations that consider the GL Account Analysis tab settings. These validations are used with existing COA Mask GL validations for accounts, sub-accounts, cost centers, and projects used in EAM. See the QAD EE Financials User Guide for details on GL Account Analysis setup.
	EAMNET-9511	Added the BEField and Field Name to Revisions table.
	EAMNET-9742	The following fields from Site menu are absolute: <ul style="list-style-type: none"> <li>• <b>Inventory Tab.</b> Sales Order Cost Center/Account/Sub</li> <li>• <b>More Inventory Tab.</b> Variance/Std cost Dept/Account/Sub/cost center</li> <li>• <b>Maintenance Tab.</b> Calc % Budget Unauth/Auth/committed</li> </ul> Disabled all the fields from the Operations frame on the MFG Options tab. Also removed the dependent functional code.
General, Inventory	EAMNET-9107 EAMNETS-284	In Domain, on the Inventory tab, the Inv Cost method field now has three values (FIFO, LIFO, and Weighted Avg). Previously, there was one more value available (Standard).

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
Integration, Maintenance	EAMNET-7201	<p>Once changes have been made to the work orders in MS Project, such as resources (assigned) and due dates, you can Import the WO back into EAM reflecting the changes made in MS Project, by selecting the Import Action from the WO Browse in EAM. The import file can have the same name as the exported file or can be renamed when created.</p> <p>When importing:</p> <ul style="list-style-type: none"> <li>You are able to enter a Notify user/group for the WO. The Notify user/group receives an e-mail when no changes are applied in EAM because the work order is Closed, Canceled, or restricted by the Owner field or if the data being imported is invalid compared to current EAM defined values.</li> <li>The history for the work order changes and the revision history are updated if revision control is turned on.</li> <li>Open Service Requests are updated if Assigned and Start Date changed for the WO referenced on the SR.</li> <li>Similarly, open Stores Requisitions Lists that reference a WO No. where the Start Date changed, copies the new Start Date to the Required Date.</li> </ul>
	EAMNET-7223	<p>EAM provides the ability to schedule work orders using MS Project 2007. When selecting the Export Action from the WO Browse, you can specify a filtered set of work orders. Then the system creates a file for specific WO fields and their values from the set of Work Orders specified. These are used for scheduling in MS Project.</p> <ul style="list-style-type: none"> <li>You are able to name and save the export file created for EAM Work Orders into MS Project.</li> <li>You can create and save multiple files for different groups of WO, by sites for example, as needed.</li> <li>When you open MS Project you can select the file created and it will be loaded ready to schedule. You will then be able to make changes to specific data for the EAM work order, such as Resources (assigned) and Due Dates.</li> <li>You can Import the WO back into EAM reflecting the changes made in MS Project.</li> </ul>
Integration, Purchasing	EAMNET-8680	<p>This job program uses the SCP/bid XML file to update RF quote and RF quote line records in EAM. In EAM application side, make sure you have the following registry setup:</p> <ul style="list-style-type: none"> <li>SCP/bid file directory,</li> <li>SCP/bid file naming (rfq_bidding), and</li> <li>SCP/bid file archive.</li> </ul> <p>On the EAM server side, the SCP/bid file directory and archive directory should have full access permission for importing to EAM application.</p>
Integration, Purchasing	EAMNET-9101 EAMNETS- 632	<p>While creating requisitions, the Receiver Matching in EE now saves successfully even if spaces are entered after the Vendor number. Previously, the following error was given: "Value is too long".</p>
Inventory	EAMNET-4870	<p>A Consignment flag has been added to Inventory transaction history.</p>
	EAMNET-5679	<p>The stock replenishment site field is no longer editable. Previously, the user was able to change the site. If the user entered an invalid site and saved the record, the stock replenishment record was created in the database.</p>
	EAMNET-5764	<p>When the Relocate Action is selected for a Consignment part, a new dialog screen appears when parts are relocated between different sites. In addition to the Site relocation data required, you can select from Company Owned parts or Vendor Owned parts as available from the Consignment stack for the Qty to Relocate.</p>

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-5765	Relocating consignment parts updates the consignment stack for qty of the relocated parts.
	EAMNET-5768	Inventory and GL transactions created for consigned parts relocation now reflect the associated consignment vendor and consignment accounting.
	EAMNET-5971	When consigned parts are used in Stores Requisition Lists, the Issue action now provides the ability to select vendor owned, vendor and display OH balances for company or vendor as information from the part's consignment stack.
	EAMNET-5972	Inventory issue transactions for vendor owned consigned parts in Stores Requisition Lists now record Vendor Owned, Vendor No, and Vendor Name.
	EAMNET-5973	When a consigned part is Issued and the OH qty for the Part is less than the Planned Qty, you can select to proceed with the Issue and expect to see the OH qty for the Vendor/company updated for the Stores Requisition list line.
	EAMNET-6013	When a consigned part is Vendor Owned, the Issue, Return to Inventory, and Transfer of Ownership actions create an Issue transaction that is sent up to ERP.
	EAMNET-8214	Consignment Transaction History Report reports transactions when filtering by vendor.
	EAMNET-8372 EAMNETS-521	From 12.5.2.2 through 12.6.0 there was an issue in the EAM Net client that could cause long running server processes to stop unexpectedly. These processes include (but aren't limited to) any activity that attempts to operate against data in a site that has more than a few thousand records. For example, Stock Replenishment Global Add in a site that has 10K records could fail at random and would, on occasion, work properly. NOTE: This issue was actually addressed by EAMNET-8628.
	EAMNET-8401 EAMNETS-567	The program has been fixed that populates the required date on Stores Requisition Lines whenever they are created.
	EAMNET-8402 EAMNETS-533	For Stores Requisition lines, the label "Item No" was changed to "Line No" to better represent the meaning of this column.
	EAMNET-8862 EAMNETS-600	In Physical Inventory, the Global Add action now filters by date and fetches correct data. Previously, filter by date did not fetch any data.
	EAMNET-8876	Fixed the problem where LIFO/FIFO costing was causing the Simulate Update Report to not balance with Stock Update.
	EAMNET-8879 EAMNETS- 615	After relocation of the stock from one location to another location with FIFO: <ul style="list-style-type: none"> <li>• <b>Relocation Inside One Site.</b> As this is not treated from functional perspective as new issue/receipt, system should take correct stack layers and move them to the new location. Receipt date of the goods is not changed.</li> <li>• <b>Relocation Between Two Sites.</b> This is treated from functional perspective as new issue/receipt. System should create a new layers in the FIFO stack with the new receipt date. The receipt date will be today if not In transit functionality is activated, otherwise the real date of receipt in destination site/stock.</li> </ul>
	EAMNET-8882 EAMNETS-621	When closing the physical inventory, the following error message is received: GL already in ERP. In certain circumstances this error message could prevent GLs from moving into EE.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-9322 EAMNETS-609	Inventory Issue can now be done by a Requestor defined for a site different than the working site. Previously, the Requestor was limited to the working site only and the following error was given: "Requestor is not a valid employee for site XXXXX".
	EAMNET-9357	Inventory Codes tab does not contain 'Warrantied?' flag. Previously the flag was available.
	EAMNET-9778	For Inventory Adjustment transactions for Consigned Parts that are Vendor Owned, the setting of the Vendor's Send Cons ERP? option determines the GL transaction type. <ul style="list-style-type: none"> <li>When Vendor Send Cons ERP? setting is selected, the GL transaction type = MI and the GL can be sent to ERP</li> <li>When Vendor Send Cons ERP? setting is not selected, the GL transaction type = MR and the GL is cannot be sent to ERP</li> </ul>
Inventory, Purchasing	EAMNET-5969	When a requisition is created through stock replenishment, and the Consignment? setting is selected on the new requisition, the Taxable? setting, by default, is not selected and the Tax Code defaults to blank.
	EAMNET-5974	For requisitions created from Stores Requisition Lists for consigned parts for both header and line: <ul style="list-style-type: none"> <li>Consignment? setting is selected,</li> <li>Taxable? setting is not selected, and</li> <li>the Tax details are not defaulted.</li> </ul> Previously, the Consignment? setting was not selected and the Taxable? setting was selected.
	EAMNET-6012	GL Transactions created for Consignment Receipts, Relocations and Modify Consignment Cost transactions have a transaction type of "MR" in EAM and are only created in EAM and not sent to ERP.
Maintenance	EAMNET-5710 EAMNETS-238	The format of the Time column in the Labor History browse changed from -HH:MM to -MM. This was required because a labor history reversal will be recorded as negative and most spreadsheet applications cannot handle a -HH:MM format.
	EAMNET-7352 EAMNETS-492	This ticket relates to sorting of time fields (start time and received) in the Work Order Browse. These fields store the time in the 12 hour clock which includes the text 'am' or 'pm'. Because of this, it is not possible to correctly sort these columns.  These fields have been converted to display in the 24 hour clock instead of the 12 hour clock. This allows for correct sorting and be more consistent with other QAD products.  In addition, the ability to enter equipment downtime in the 12 hour clock has been removed from the registry and the related fields. Start time and End time are now displayed and entered using the 24 hour clock. The AM/PM Clock entry has been removed from the registry as it is no longer supported.  In order to update the client's database, a conversion program is included which converts the data's four fields to the 24 hour clock. These fields are: <ul style="list-style-type: none"> <li>work_order.received_time</li> <li>work_order.start_time</li> <li>equip_down.endtime</li> <li>equip_down.stime.</li> </ul> In addition, the conversion program removes the registry entry for the AM/PM Clock option.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-7903 EAMNETS-534	Fixed the problem, when after creating a PO from a requisition with 0 cost, the following error was given: "PO has not yet been authorized."
	EAMNET-8079 EAMNETS-557	The Projects Refresh action now correctly calculates Planned Internal cost when a Requisition is created with Contractor flag selected. Previously, in the above scenario, Planned Internal cost was calculated incorrectly.
	EAMNET-8081 EAMNETS-552	When users enter instruction lists on work orders manually, the project's Planned Labor cost updates correctly.
	EAMNET-8083 EAMNETS-549	Site code in Copy Project should not be case sensitive.
	EAMNET-8084 EAMNETS-544	When copying project and jobs from one site to another site, newly copied job's Expense Site has incorrect site code. It still shows the source site.
	EAMNET-8167 EAMNETS-65	In the manual GL /Unposted GL screen, if a user adds GL lines to the GL header and the GL line has an associated Project no or Job no and if the GL line amount is over the Project or Job spending limit, the user will get an error message when "Post" action is clicked. The error message will stop "Post" GL action.
	EAMNET-8211	Tolerance screen should not close until a correct user ID is entered in the notify field when okay is pressed. Previously in this scenario, the screen closed with the "Invalid Notify". message and all the other field data was lost.
	EAMNET-8221 EAMNETS-568	Account and Sub-Account lookups on Equipment screen now showing all the accounts and related sub-accounts properly. Previously, it was showing only account/Sub-accounts for Project entered on Equipment.
	EAMNET-9500 EAMNETS-672	Fixed a problem to make sure that the labor time was properly formatted before allowing it to be saved.
	EAMNET-9502 EAMNETS-663	When labor is posted for a project and the rate is defined for a particular Employee, the labor post history shows the correct Reg Rate. Previously in the above scenario, it was showing zero.
	EAMNET-9504 EAMNETS-657	Added a getNextWorkingDate method to calculate the next working date for both the start and target date on a WO, that is created from a PM Template, if the 'Shift Work Day?' setting is selected.
	EAMNET-9825 EAMNETS-693	Updated the client (.NET, AcitonHandler.cs) code to make sure the intracompany logic is: <ul style="list-style-type: none"> <li>• Not case sensitive when comparing source and expense sites,</li> <li>• If intracompany validation fails, the error message is displayed to the user, and</li> <li>• If intracompany validation passes, the receiving logic actually fires.</li> </ul> Reviewed the Stores Requisition logic that automatically creates fabricated work orders to ensure it reliably (100% of the time) populates expense site.
Other	EAMNET-8104 EAMNETS-27	Two level and three level Browsers now correctly display results for values entered in the find field. Previously, lower level browse results were incorrectly displayed.
	EAMNET-8591 EAMNETS-602	If fixed asset detail is pre-populated, the capitalize asset returns an error.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-8595 EAMNETS-605	When editing an asset that has already been posted in the ERP, the system will not submit the changes to EE (FA API is EE only). Instead, it will only apply the changes to EAM's internal records of the asset, in the Fixed Asset subdetail of the Job or Project, and it will give the user the following courtesy message: "Depreciation has already been posted in MFGPRO for this asset. These changes were recorded in EAM but not submitted to the ERP."  All asset modifications need to be done directly in EE if the asset is posted already, and the user then will record these changes in EAM to update the Project or Job's Uncapitalized Amount.
Purchasing	EAMNET-2718	New Registry setting, VerifyCurrencyExchExists, determines if multicurrency transactions are allowed if a current exchange rate does not exist.
	EAMNET-5701	In the All browse, when a user presses the Enter on last editable field, the system saves the record and the cursor remains on the same line. If a user presses the Tab key on the last editable field, the system saves the record and the cursor moves to the next line.
	EAMNET-5892	When you do not select the Consignment? setting on a PO or Requisition, the appropriate Tax defaults based on Ship To, Vendor, etc should be updated.  When you select the Consignment? setting, the existing values for tax settings are disabled and the Tax setting is not selected.
	EAMNET-5893	For a consigned PO the Actual Freight will always be zero and disabled.
	EAMNET-5894	If consignment flag is selected on header level, the user is not allowed to update the fields related to taxes and all the fields related to taxes are blanked out on the requisition line.
	EAMNET-5967	When EAM is integrated with QAD Purchasing, Consignment Receipts are not uploaded to QAD Purchasing.  Only an EAM Receipt No is assigned for Consigned PO Receipts regardless of the EAM Domain setting for Receiver? = MFGPRO. This is an exception only for consigned part receipts.
	EAMNET-7516	A PO cannot be received using the Receive action, if it already exists in PO Pay Schedule. Similarly, if a PO is received using the Receive action then it cannot be added in PO Pay Schedule.
	EAMNET-7908 EAMNETS-536	A PO cannot be placed on order when the equipment on the line is locked. Previous to this fix, EAM allowed this action.
	EAMNET-7926	We have corrected a couple of issues that were happening when doing receipts in a different UOM from the part: <ul style="list-style-type: none"> <li>The PO Line or the PO Header were not being closed when receipts were done in full.</li> <li>If a PO Line was not auto-issue, but was in a different UOM, an extra/unnecessary rounding transaction was being created, as if it would apply to an auto-issue.</li> </ul> We are now assigning the PO Number to the Rounding Error transaction's corresponding field. Previously, it was only being mentioned in the PO Description, but that would make it hard to reconcile all GL Transactions that were created for a PO.
	EAMNET-8064	Now on Return to vendor screen, if the user enters a return code, which is not available in database, the system displays the error message, "Invalid Return" on the UI screen.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-8068	EAM Purchase Orders Return to Vendor (Action) on Blanket Release is changing PO line status to P instead of O. This issue has been resolved by assigning the 'Date Ordered' as Today on the PO line when the status of the requisition header is 'O' (Ordered).
	EAMNET-8087 EAMNETS-540	When Requisition Currency is changed due to Vendor change, the requisition menu now correctly calculates and sends Order Cost, Total Cost and Total Cost to ERP in Vendor Currency. Previously in the above scenario, Order Cost, Total Cost and Total Cost in Vendor Currency were calculated incorrectly.
	EAMNET-8170 EAMNETS-195	Return to Vendor functionality was corrected, so that it does not reset an existing canceled quantity when returning a requisition line that has been closed.
	EAMNET-8207	Removed "Euro" and "Use Euro" from Currency menu. Also removed dependent codes to those fields.
	EAMNET-8222 EAMNETS-566	In the Blanket Orders menu, for non-stock parts that overlap the effective date and expiration date of another blanket order with non-stock parts, the Copy Blanket Orders action no longer displays the error "Line X Part X is in the same period as blanket order X line X". Previously, in the above scenario, the error was displayed.
	EAMNET-8224 EAMNETS-570	Vendor Return document now correctly prints records for stack of inventory returned. Previously Vendor Return document was incorrectly printed.
	EAMNET-8405 EAMNETS-583	When a requisition has a line item which is canceled, attaching an existing PO to this requisition. From this Purchasing Order line items browse, the user can see a PO Line No 0. Now this issue has been corrected. Even with a line canceled, the PO line items browse displays PO Line No with the correct PO line no.
	EAMNET-8516 EAMNETS-595	In the BO layout, fixed an issue with list price.
	EAMNET-8590	When entering a Requisition Line for non-stock parts it is mandatory to enter a part number. To enforce this, the Requisition Line entry screen has been updated, so that the user first has to enter the Part No before updating all the other fields. Once the Part Number has been entered, the other fields in the screen will be enabled for data entry.
	EAMNET-8625 EAMNETS-606	User was not able to change the description on the Requisition line when attached Project is locked. Now, after this fix user is able to change the Requisition Line description and able to send it to ERP when PO is Ordered.
	EAMNET-8878	At Purchasing/Requisitions, when attempting to Edit a Requisition Line with Auth Status of Authorized, EAM should allow the user to edit: <ul style="list-style-type: none"> <li>• If "Any Buyer" at General Business Units Domain is enabled and the user is flagged as a Buyer at General Employees for the Site where you are attempting to Edit the Requisition Line.</li> <li>• If "Any Buyer" is not enabled but the current user is the buyer designated in the Requisition Header.</li> <li>• If the current user is designated as the Auth By in the Requisition Header</li> </ul> EAM prevents anyone from modifying a Requisition Line if it is closed or cancelled. In other words, existing pi_status = "C" and pi_status = "X" checks remain in place.
	EAMNET-8900 EAMNETS-622	This issue was fixed on EAMNET-8878.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-8902 EAMNETS-606	Modified the "just where" clause to avoid a whole-index error. No functional impact.
	EAMNET-9051 EAMNETS-561	If there is a special character line or more than 76 characters in PO Clause, the system no longer goes into an infinite loop during Po Order. Previously, this caused the system to go in an infinite loop.
	EAMNET-9078	<p>EAM 12.5 &amp; 12.6:</p> <p>12.5 &amp; 12.6 release of EAM utilized a registry value being set to determine whether to allow requisition authorizations over the project spending limit.</p> <p>This enhancement was added to ensure the functionality in previous releases where schema changes are not possible. With future releases a schema change would be an improved solution.</p> <p>If an upgrade was taking place, a conversion script would be required, to get the value from the registry to the Site maintenance.</p> <p>EAM 12.7:</p> <p>As this is the current release, 12.7 release of EAM introduced a schema change which added a new field to the Sites maintenance screen. The new field replaces the need to use registry entries as was the case with previous versions.</p> <p>The new field can be found on the Sites maintenance screen under the "Authorization Options" tab.</p> <p>A conversion script has been created, which will take the value of the setting from the registry, and assign the value to the Site definition. This conversion routine has to be applied when the EAM system is updated from version 12.5 or 12.6 to the more recent one.</p>
	EAMNET-9102	After receiving all the ordered quantity for a Consignment part, the status of the PO, Requisition, and Requisition Line remains O for Ordered. The Receipts sub detail confirms what we see in the PO and Requisition browse. The expected result is the status should be C and behave the same as any standard part receipt when all open quantity is fully received.
	EAMNET-9110 EAMNETS-354	<p>You should be able to save a requisition line for an unauthorized project.</p> <ul style="list-style-type: none"> <li>• Requisition can be created and saved when Project Auth is selected and the Project is not authorized.</li> <li>• Requisition cannot be Routed for Authorization when Req Auth and Project Auth are selected and the Project is not authorized. Once the Project is Authorized the Req can be routed for authorization.</li> <li>• Requisition cannot be put On Order when Req Auth is not selected and Project Auth is selected and the Project is not authorized.</li> </ul>
	EAMNET-9112 EAMNETS-613	Now, on Requisition Header, the system updates the date due when a user changes the date due on PO header and selects yes on " change due date on PO line(s)?" prompt.
	EAMNET-9267	As a buyer, when releasing a blanket order, I want to be able to enter new accounting information.
	EAMNET-9268	As a Buyer, I need to include Standard Clauses on the Blanket Order print.
	EAMNET-9269	JD fixed an issue regarding EAM Return To Vendor (RTV) for Nexteer JD v12.5.1.3.
	EAMNET-9270	Buyer Limit Logic should be added to Blanket Orders.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-9271	JD fixed an issue regarding: Nexteer - GSM-2135 "All PO Revisions" Browse.
	EAMNET-9272	Need 3 Blanket Header fields.
	EAMNET-9321 EAMNETS-619	If the same Supplier code is used in multiple domains and if one of the domain supplier codes is inactive and a user enters an inactive supplier code in BO (in domain where supplier code is inactive), the system gives the error "inactive supplier code".
	EAMNET-9497 EAMNETS-660	When Return To Vendor action is performed on Purchase Orders, the error message "GL already in ERP" was received. In certain circumstances this error message could prevent GLs from moving into EE.
	EAMNET-9503 EAMNETS-661	If another user has deleted a Req line and if you try and save that Req line, the following error message is given: "Requisition line X has been deleted by another user. Please discard your changes." Previously, a non-explanatory error message was displayed.
	EAMNET-9505 EAMNETS-647	When a requisition line is copied, the PO text is also copied to the new requisition line.
	EAMNET-9509	As a Buyer, I want to be notified if a line item changes on an authorized BO.
	EAMNET-9525 EAMNETS-638	Blanket Orders should not allow any user/buyer to change the status when it is in routing. Previously, the system allowed you to change the status.
	EAMNET-9740	PO Text has been added to the Quote Lines. The PO Text can default from the part record or Requisition line if the Quote line is created from a Requisition. You can also update it directly in the Quote line. The PO Text will also be visible for the Quote line in SCP if have the integration implemented  All of the Vendor Part numbers recorded in EAM inventory will be sent to SCP for the vendor to review and change when they update bid.
	EAMNET-9814	When changing information that has nothing to do with consignments, fixed the problem so that you do not get a consignment error.
Reporting / Filtering	EAMNET-5970	Consignment Transactions by Vendor report should be filtered to only vendor owned transactions.
System Administration	EAMNET-2897	Now, the User Defined Mail menu does not allow you to edit the Mail Be field name in the lower browse and the Business Entity Name. Now, Project does not contain obsolete fields. Previously, you could edit the Mail Be field name and project had obsolete fields.
	EAMNET-3192	In Inventory, if the Job No is made mandatory and the project no is not entered, Issue, Work Orders, Post Labor, and saving PM Templates executes without any error. Previously, it displayed an error "Job No is a required field".
	EAMNET-5633	The options in Roles are now displayed only once. Previously, some of the options in Roles were displayed multiple times.
	EAMNET-5958	Now, the Registry setting does not have:  "Custom/UnauthPOUponAnyChange" flag as it is replaced by selective Req Reroute/Notify Fields and PO Reroute/Notify Fields. Previously "Custom/UnauthPOUponAnyChange" setting was available in Registry.

**Table 15**  
Fixes and Enhancements for EAM 12.7 (continued)

Component	QAD Issue	Description
	EAMNET-7259 EAMNETS-481	Once the Project in EAM is closed, the completion date should not be changed. When downloading projects from ERP, the project completion date in EAM cannot be overwritten.
	EAMNET-8216	<p>The CIM Load Job Program #23 can now be copied and used to upload Driving Unit of Measure (DUOM) Monitor readings from a text file. The format of the text file is: Equip No DUOM Reading Date Time User ID. Time must appear as a numeric as the number of seconds since midnight. The location of the text file is added to the Run Parameters of the Job Program. An error log with any invalid data noted in the text file is also found at this location.</p> <p>Once the job runs, the Monitor readings can be viewed in the Equipment Readings submenu. These readings can produce an Out Of Tolerance (OOT) condition. If an OOT condition results, a CM work order and an e-mail can be generated automatically. The e-mail is sent to the Notify person or group noted in the Update Tolerances screen or on the Equipment Readings screen. A CM work order is added if the option is selected in the Update Tolerances screen.</p>
	EAMNET-8660 EAMNETS- 597	The Role permissions have been changed so that the user now will have access to a combined number of programs, based on his/her access being granted in all sites, instead of only the site that he/she is logged in to. However, the drop down Site field at the top of the screen, will only show the sites that the user has access to.
	EAMNET-9512 EAMNETS-676	Corrected job program autostck.p to process multiple sites.
	EAMNET-9552	<p>The Progress Editor can now be used inside of the EAM .NET UI. This is very similar to the "mgeditor.p" program in QAD SE and EE, with some distinct differences:</p> <ul style="list-style-type: none"> <li>• Telnet is not supported. Only SSH/SSH2 is supported.</li> <li>• Windows-based servers are not supported, only Unix/Linux. In other words, if your AppServers and DBs are on a Windows server, you will not be able to use this feature.</li> <li>• Key mapping, font settings and colors cannot be modified by users or system admins.</li> </ul>
	EAMNET-9865 EAMNETS-694	Work Order Document reinstated as substitutable.
	EAMNET-9868 EAMNETS-656	Refactored Vendor Refresh code to help eliminate possible locking issues.
	EAMNET-9888	A new Action called "Telnet Options" was added to the System Control browse. This action is used to maintain the system information needed to support the Progress Editor added in EAMNET-9552 'Enable Progress Editor in the EAM Plugin'. These options control everything from which server is accessed to what ID and password are used to log in and even what keyboard strokes are automated so that the EAM can automatically open the CHUI Progress Editor from the server's command line. See "Enable Progress Editor in the EAM Plugin" on page 47.

## QAD Field Service Scheduler 3.3.1

**QAD Product Name Version:** 3.3.1

**Date:** March 2014

**QAD Enterprise Applications Version:** 2014EE (.NET UI 3.0.2)

### About This Release

This release is made to support QAD 2014 EE with .NET UI 3.0.2.

## QAD Integrated Customization Toolkit 4.1.18

**QAD ICT Version:** 4.1.18

**Release Date:** April 2014

### Related Documentation

The following documents have been created for this release:

- *Installation Guide: QAD Integrated Customization Toolkit* (item 70-3260-4.1.18)
- *User Guide: QAD Integrated Customization Toolkit* (item 70-3261-4.1.18)

The documents are available in the QAD Document Library:

<http://www.qad.com/documentlibrary>

### New Features

- New functionality for passing parameters to the Program Hook procedure that allows the developer to replace the standard application logic.
- Increased performance of browses in .NET UI. ICT Trigger Links are no longer fired for .NET UI browses.
- The Active Trig flag was deleted from Load Developers Data (90.24.2). ICT automatically detects if the .dmp file contains usrw\_records. If so, new usrw\_wkfl records are not created.

### Fixes

All reported bugs have been corrected, including:

- Closing task error when moving Program Hook Callers r-code.
- Incorrect scrolling mechanism in Pop-up Frame Maintenance (90.3.1).

## QAD Mobile Field Service 3.5

**QAD Mobile Field Service Version:** 3.5

**Release Date:** March 2014

**QAD ERP Compatibility:** 2014 EE

**QXtend Compatibility:** 1.7 or later

**Languages:** English, French, Castilian Spanish, Latin American Spanish, German, Dutch, Italian, Polish, Portuguese, Simplified Chinese, Traditional Chinese, Japanese

This release includes the following changes:

- This release is compatible with QAD Enterprise Edition 2014.  
If you are using an earlier version of QAD Enterprise Edition, install MFS 3.4 and contact QAD Support for the hotfix that includes the fixes done in MFS 3.5.
- Since this release, Quick Sync no longer synchronizes end-user related information.
- The following issues are fixed in this release:
  - When running synchronization, the MFS sync log displayed an incorrect error message for calls that were created on the client side and closed on the server side.
  - The system kept trying to synchronize Field Service Reports even when the Call Activity Report got an error.
  - Quick Sync did not work when you switched between domains in different timezones.

## QAD QXtend 1.8.5

### Release Notes for QXtend Inbound

**QXI Server Version:** 1.8.5

**Date:** March 2014

**QAD Enterprise Applications Compatibility:** eB SP4 through current release

**Supported Progress Releases:** Progress 9.1E, OpenEdge 10.0B, 10.1A, 10.1B, 10.1C, 10.2A, 10.2B, 11.1, 11.2, 11.3

**Supported Java Version:** Java 1.6 or higher

**QAD QXtend Documentation:** *User Guide: QAD QXtend (70-3190-1.8.5) and Installation Guide: QAD QXtend (78-0952-1.8.5)*

### New and Changed Features

- 1 The Fin Session Caching function has been improved by caching the session ID per agent in the connection pool, which prevents different agents from using the same session ID at the same time.
- 2 The QXtend UI supports Internet Explorer 10 and 11 without the need to turn on the compatibility mode.

### Fixes

Fix Description	Internal ID	Issue Affected Versions
The Primary Keys of the receivePurchaseOrder QDoc are corrected for Excelerator use.	QXT-1567	1.7+
Previously, data could not be passed to the custom field (configured through .Net UI configurable screens) from an SI API-based QDoc. This issue is now fixed.	QXT-1573	1.7+
The issue with QXtend installation against QAD 2013 SE has been fixed.	QXT-1587	1.8.4
Previously, the pipe symbol ( ) or the caret symbol (^) in request QDocs caused processing errors when suppressResponseDetail was set to false. This issue has been fixed now.	QXT-1595	1.7+
A new version of QDoc maintainMasterSpecification is available and the program has been fixed to be compatible with QXtend.	QXT-1602	1.7+
The comments fields on Item Spec Maint (19.1.13) are now included in QDoc maintainItemSpecification.	QXT-1603	1.7+
QDoc maintainVoucher can now overwrite existing account details in distribution frames.	QXT-1605	1.7+
SI-API QDoc can now return the correct error message when lock timeout happens.	QXT-1607	1.7+
The QXtend adapter can now be compiled successfully in an EE environment where xrc is not under \$MFG_HOME.	QXT-1625	1.7+
vd_site and vd_daybookset have been added to maintainSupplierData QDoc and SupplierData BO/profile.	QXT-1629	1.7+
An XML syntax 1.0 QDoc containing a decimal field no longer causes a null pointer exception when the agent has not previously been used and the decimalSeparator variable is set to null.	QXT-1645	1.8.4

## Release Notes for QXtend Outbound

**QXO Server Version:** 1.8.5

**Date:** March 2014

**QAD Enterprise Applications Compatibility:** eB SP4 through current release

**Supported Progress Releases:** OpenEdge 10.2B, 11.1, 11.2, 11.3

**Supported Java Version:** Java 1.6 or higher

**QAD QXtend Documentation:** *User Guide: QAD QXtend (70-3190-1.8.5)* and *Installation Guide: QAD QXtend (78-0952-1.8.5)*

### New and Changed Features

- 1 QXO AppServers (qxoui and qxosi) can be configured as SSL-enabled, and QXtend can connect to these AppServers through direct connection, secure connection, or both. See *User Guide: QAD QXtend* for more information about the configuration.
- 2 Business objects `QADMobileAddrees` and `QADMobileEndUser` have been removed from the QXtend BO list.

### Fixes

Fix Description	Internal ID	Issue Affected Versions
Previously, QXO services log files showed an error when the elapsed time of an Outbound activity was longer than the limit specified by integer data type (about 25 days). This issue is now fixed.	QXT-1342	1.7+
Previously, when QDoc namespace of a profile was empty, the profile had Delta QDoc set to true or had add-only field(s), and the QDoc XML syntax of the subscriber was Other, the subscriber message could not be displayed. This issue is now fixed.	QXT-1559	1.7+
Query service can now query a BO or a Profile with a custom field running a calculation program on the AppServer.	QXT-1561	1.7+
Query service now verifies QDoc name with the profile name in the request. It prevents users from using query service to query data that does not have a query API.	QXT-1579	1.7+
QXO Empty Database is now created with code page utf. The installer can always connect to it when compiling qxoserver code regardless of the default Progress code page setting in the environment.	QXT-1589	1.7+
The MaintainInventoryStatus profile is updated to match QDoc maintainInventoryStatus so that Exceleator can use it to query inventory status data.	QXT-1598	1.7+
The domain filter can now work with tables of the Warehousing Management System.	QXT-1600	1.7+
Previously, the event service could produce a deadlock with another agent if a BO had a certain structure and there were many BOs listening to the same event. This issue has been fixed.	QXT-1606	1.7+
Previously, during EAM-Financials integration via QXtend, QDoc could be submitted twice, which caused duplicate transactions in Financials. This issue has been fixed.	QXT-1608	1.7+

<b>Fix Description</b>	<b>Internal ID</b>	<b>Issue Affected Versions</b>
Message monitor now displays data on searching when Business Object Key is sorted. Previously, it did not display any data.	QXT-1622	1.7+
Now, subscriber messages of a profile with Delta QDoc set to true can also be superseded and changed to status "SUP".	QXT-1638	1.7+

# QAD Sales and Use Tax Interface 4.1

**QAD Sales and Use Tax Interface Version:** 4.1

**Release Date:** March 2014

**QAD Product Suite Compatibility:** QAD 2013.1 and QAD 2014 Enterprise Edition

## Quantum Releases Supported

The current release of SUTI supports Quantum version 4.1.

## Documentation Updates

The following documents have been updated for this release:

- *User Guide: QAD Sales and Use Tax Interface* (new item number: 70-3253-4.1)
- *Installation Guide: QAD Sales and Use Tax Interface* (new item number: 70-3252-4.1)

## System Requirements for SUTI 4.1 on Windows

- Intel Pentium 800 MHz or faster processor
- Platforms and operating systems:
  - Windows Server 2008 64 bit
  - Windows Server 2012 64 bit
- One of these two versions of QAD Enterprise Edition:
  - QAD 2013.1 Enterprise Edition with Progress Open Edge 10 or 11; see the installation guide for your ERP application for specific requirements.
  - QAD 2014 Enterprise Edition with Progress Open Edge 11; see the installation guide for your ERP application for specific requirements.
- Vertex's Quantum for Sales and Use Tax, release 4.1, using an ISAM database

## System Requirements for SUTI 4.1 on UNIX

- Platforms and operating systems:
  - Red Hat 5 64 bit (2.6.18)
  - Red Hat 6 64 bit (2.6.32)
  - HP Unix 11 i v3 64 bit
  - Solaris 11 64 bit
  - SuSE Linux Ent Srv 11 64 bit
- One of these two versions of QAD Enterprise Edition:
  - QAD 2013.1 Enterprise Edition with Progress Open Edge 10 or 11; see the installation guide for your ERP application for specific requirements.
  - QAD 2014 Enterprise Edition with Progress Open Edge 11; see the installation guide for your ERP application for specific requirements.
- Vertex's Quantum for Sales and Use Tax, release 4.1, using an ISAM database

## QAD Supply Chain Portal 13.2

**Supply Chain Portal Version:** 13.2

**Date:** March 21, 2014

**Languages Supported:** English

### New Features

#### Reset ASN Export Status

Some customers require shipped and exported ASNs to be re-exported into the SNF file.

Beginning with this release, it is possible for customer Admin users to select ASNs with Status = Shipped and Exported status = Exported and reset the Exported status to Not-Exported. Next time the Genload process runs, it will re-export these ASNs.

#### Rewrite SCP Calculations for SCCS

The SCP calculations have been rewritten for SCCS to make the calculations more efficient and more accurate.

The SCP calculations include the following elements:

- AADU (Average Actual Daily Usage)
- Forecast
- Average Demand
- Bucket Calculation
- Minimum
- Maximum
- Order Point
- Replenishment Quantity

All the calculations keep the original logic. Highlights of the updates include:

- Fixed range defects in the calculation of Replenishment Quantity
- Fixed defects in the Scheduled calculation
- Fixed the defects in the calculation trigger

#### Rewrite RFQ Functionality for SCCS

RFQ (Request for Quote) is an SCP component that interfaces with QAD's Enterprise Asset Management (EAM) system, providing features to synchronize and communicate quotes between customers on EAM and suppliers on SCP.

To support recent updates in EAM, the interface has been adjusted. Two enhancements in RFQ functionality are:

- Add PO Text into Quote Line (Synchronized from EAM)
- Add Vendor Part Number into Quote Line Detail (Synchronized from EAM)

## Resolved Issues

### Backslash in Supplier ID

SCP now allows the backslash ( \ ) character in the supplier ID. Previously, when a supplier ID with a backslash character came from QAD, SCP did not recognize that character and displayed "ERROR: No Supplier for <supplier ID>" in the SCP poller run. This release fixes this issue.

### Access to Supplier Maintenance

SCP now allows you to open the Supplier Maintenance screen from Company > Company Maintenance > Supplier Maintenance menu for a supplier ID having a backslash ( \ ) character. Previously, in that scenario, it did not open that screen.. This release fixes this issue.

### Supply Source (Supplier) Screen

SCP now allows you to open the Supply Source (Supplier) screen from the Inventory > Kanban > Card menu for Supplying Source field values having a backslash ( \ ) character. Previously, in that scenario, that screen did not open. This release fixes this issue.

### Display of Supplier Invoice Receipt Lines

The SCP Invoice menu now displays all receipt lines selected in Supplier Invoice. Previously, in that scenario, the system displayed only one of the receipt lines. This release fixes this issue.

### Container Quantities and Labels

In the ASN Maintenance screen, under the Containers and Labels tab, container quantities are now properly created and labels are successfully printed when the Qty and Qty/Pack are in multiples of 5. Previously, in that scenario, the system displayed the error "The Quantity must be exact multiple of Qty Per Pack for Line #1, Lot/Serial" while packing containers and printing labels. This release fixes this issue.

### Correct Indexes for cont\_mstr

Kanban Poller now picks the proper indexes for table cont\_mstr. Previously, it used whole index. This release fixes this issue.

## QAD Warehousing

**QAD Warehousing Version:** QAD Warehousing for QAD 2014 Enterprise Edition

**Release Date:** March 2014

**Supported languages:** US English, Castilian Spanish, Latin Spanish, Czech, Dutch, French, German, Italian, Japanese, Korean, Polish, Portuguese (Brazilian), Simplified Chinese, and Traditional Chinese

**User Guide:** *QAD Warehousing*, item 70-3185-2014 EE

**Installation/Conversion Guide:** QAD Warehousing installation information can be found in the installation documentation for QAD Enterprise Applications March 2014 Enterprise Edition.

**Note** The QAD Warehousing Enterprise Edition (EE) installation process differs from the QAD Warehousing Standard Edition (SE) installation process. Please review the installation and conversion guide before you begin installation or conversion.

### Additions

A new Item-Warehouse Browse (4.4.21) was added to QAD Warehousing to display item-warehouse information. The new browse includes the following fields:

- Site, warehouse
- SLG and SLG list
- OPC threshold
- Logistics UM
- Inspection, required, frequency (part and days)
- Item ID, item number and type, and quantity
- Auto replenishment percentage and auto-replenish by part
- Reference
- Modified date
- User ID
- Location
- Popularity

### Fixes

- Pallet Constitution/Transfer (80.17.20) now correctly retains the inventory status of the existing inventory at the location for the created pallet when inventory and location inventory statuses are different and the To Location is blank. Also, the program retains the inventory status of existing inventory when you transfer inventory to another valid location and set Keep From Status to Yes in Work Location Group Maint(80.3.9). Previously in the above scenarios, the system changed the inventory status to the default inventory status of the location where inventory existed.
- The following programs now update the detail pick quantity that displays in Inventory Detail Inquiry (80.9.13) and the quantity to ship that displays in Pre-Shipper/Shipper Report (7.9.6) when you increase the item quantity while confirming a sales order pick task and the pallet picked is not a multi-item pallet. Previously, the system did not update the detail pick and quantity to ship and displayed the previous values.
  - Movement Conf. Workbench (80.8.4)
  - Movement Conf. By Transaction (80.8.1)

- Movement Conf. By Location (80.8.2)
- Movement Conf. By Order (80.8.3)
- RF Next Task (1.1) option
- RF Select Task (1.2) option
- RF Batch Pick-SO (3.1) option
- RF Batch Pick-All (3.2) option
- Task Assignment Maintenance (80.11.7) now correctly displays labels in non-English languages. Previously, User Name, Queue, Confirmation Mode, and other labels were not translated into other languages and only displayed in English.
- Replenishment List Maintenance (80.16.1) and the RF Kanban Scan (1.5) option now correctly create the pick replenishment task as per the routing sequences you specify in Internal Routing Maintenance (80.2.5) when there are more than two sequences and the replenished location you specify exists in the internal routing group of the last sequence. Previously, the system created the pick replenishment task directly for the location you specified, skipping the internal routing sequences.
- Sample Inspection Maintenance (80.22.1) now displays sample inspection data and no longer displays an error message when you enter a receiver number in the Receiver field of selection criteria after you complete a PO shipper receipt using the RF PO Receipt (1.8) option. Previously, in the above scenario, the system displayed an error that informed you that the input data did not match a record and did not display data.
- The following programs now correctly verify the quantity at the source location while confirming a task:
  - RF Movement Conf. By Location (80.8.2)
  - Movement Conf. By Order (80.8.3)
  - Movement Conf. Workbench (80.8.4)
  - Movement Conf. Processor By Tran (80.8.5)
  - Movement Conf. Inquiry Format (80.8.6)
- The RF Receipts (1.8) option now creates DO receipt transactions that display in Warehouse Transaction Inquiry (4.9.1) when you receive a distribution order. Previously, the system did not create the DO receipt transactions.
- Transfer Single Item (80.17.4) no longer displays an error that informs you that the period has been closed for another entity for the site when you close the GL period for the primary entity in GL Calendar Maintenance (25.3.4) and the effective date falls within the closed period. Previously, the error displayed and you could not continue processing.
- The RF Preship Sel Task (1.7) now displays pre-shipper, priority, and line information on RF scanners. Previously, you could not view priority and line information on RF scanners.
- The RF Receipts (1.8) option now displays an error informing you that a lot/serial number is required for lot/serial-controlled items when you enter a blank in the L/S field and the quantity you enter must be 1 when you enter a quantity other than zero or 1 for a serial-controlled item on the RF screen. Also, the system no longer creates a PO receipt task when these conditions exist. Previously, the error displayed after you entered blank data and the system created a PO receipt task in Transactions Detail Inquiry (3.21.1).
- The following programs no longer display an error that informs you that you cannot enter a code value longer than the defined field length when you have QAD Warehousing set up and generate pallet numbers:
  - Receipts - Unplanned (3.9)
  - Purchase Order Receipt (5.13.1)

- Work Order Receipt Backflush (16.12)
- The system no longer hangs on Oracle when you run a shipment confirmation using the RF Ship Truck (3.5) option. Previously, when you entered the RF Ship Truck program in the RF device, entered a location, left the carrier shipment reference, vehicle ID, master BOL blank, then pressed F4 to confirm the shipment, the system stopped processing.
- Storage Location Group Maint (4.3.1) now correctly displays the default values from Internal Routing Group Maint (4.2.1) in the following fields when you create a new storage location group:
  - Allow Issues
  - Allow Receipts
  - Allow Incoming Returns
  - Allow Outgoing Returns

It also displays default values from Warehouse Maintenance (4.1.1) for the following fields:

- Opportunity Counts
- OPC Frequency
- Check Digits
- Count Status Option

Previously, the values were not defaulted for the fields.

- Mass Location Maintenance (4.3.21) no longer lets you specify a blank or an invalid location in the Template Location field and now displays an error informing you of the invalid location and prevents you from continuing. Previously, you could specify a blank or an invalid location in the field, which caused Progress issues.
- Algorithm Assignment Browse (4.6.10) now correctly displays the algorithm, sequence, employee, user ID, and modified date data. Previously, the browse did not display this data.
- Mass Location Maintenance (4.3.21) no longer displays Progress internal errors when you delete a range of locations and the location sequence definition in use has four sequences you define in Sequence Definition Maintenance (4.23.1).
- Allocated Inventory Inquiry (3.18) and Stock Availability Browse (3.17) now correctly display the quantity allocated and picked when you delete a pre-shipper in Pre-Shipper/Shipper Workbench (7.9.2) after the system exploded the pre-shipper and the RF Pallet Explosion (3.6) option created more than one reference. Previously in this scenario, the system displayed incorrect Qty Alloc and Picked field values.
- DO Pre-Shipper/Shipper Maint (12.19.3) no longer displays an error for invalid sites when you add a container that you create using the RF Pallet Explosion (3.6) or RF Container Build (3.3) options and you define a DO ship-to site in Site Maintenance (1.1.13).
- The RF Pallet Explosion (3.6) option no longer displays Progress errors that inform you that the entry is outside of a range of list or that an invalid character was input when you generate a pallet and respond Yes to confirm the pallet build.
- Mass Location Maintenance (4.3.21) no longer displays an invalid location error when you enter a blank or invalid location and specify to delete in the Create/Delete Location field. Previously, the system displayed the error once you entered the site.
- DO Pre-Shipper/Shipper Maint (12.19.3) now displays the delete option for the following fields in character mode and displays the Delete button for the frame in .NET UI with the fields:
  - Carrier
  - Document Format
  - Consolidate Ship

- Language
- Inventory Scrap Transaction (3.14) no longer displays an error that informs you that the lot/serial has expired when you scrap an expired item. Previously, the error displayed and you could not scrap expired items.
- Wave Close Batch/Report (4.15.18) now correctly processes in batch mode. Previously, when you entered a batch ID and viewed the batch ID in Batch Request Detail Maintenance (36.14.3), the parameter data was blank because the Wave Close Batch Report did not work in batch processing.
- The RF Transfer (1.3) option now correctly rounds the item quantity to transfer to the destination location when the quantity you specify is more than the available capacity at the destination location and the system calculates the quantity to transfer in decimals. Previously, the item quantity transferred was not rounded correctly.
- The RF Transfer (1.3) option no longer prompts for the destination location, jumps to the starting frame, or creates canceled tasks without user validation when you set the system flavor to B in Warehouse Maintenance (4.1.1) and transfer without exiting the RF session after you delete the previous multi-item pallet task.
- The following programs no longer display a Progress error and correctly display the quantity for a pre-shipper line when you set the Completion, Fail and Repick field to option 3 in Warehouse Maintenance (4.1.1) and pick a partial quantity:
  - RF PreShip Sel Task (1.7)
  - RF Batch Pick SO/DO (3.1)
  - RF Batch Pick All (3.2)
  - Movement Confirmation by Transaction (4.8.1)
  - Movement Confirmation by Location (4.8.2)
  - Movement Confirmation by Order (4.8.3)
  - Movement Confirmation Processor (4.8.5)
  - Movement Confirmation Workbench (4.8.7)

Previously, the system displayed an incorrect pre-shipper quantity and a Progress error in this scenario.

- The RF Build Pallet (1.12) now correctly updates the percentage full of the source location that displays in Warehouse Location Maintenance (4.3.13) when you generate a pallet for existing non-multi item inventory at the source location. Previously, the system displayed incorrect percentage full values.
- Reference Generation (4.17.9) now generates the print identification task for reference when you set the Generate Identification and Print ID fields to Yes in Internal Routing Maintenance (4.2.5). Previously, the print identification task did not generate.
- Distributed Order Receipt (12.15.20) no longer displays an error that informs you that the reference is in use and lets you continue processing when you receive items with the same reference number which exists in another warehouse location. Previously, in this scenario, the system displayed an error and you could not continue processing.

